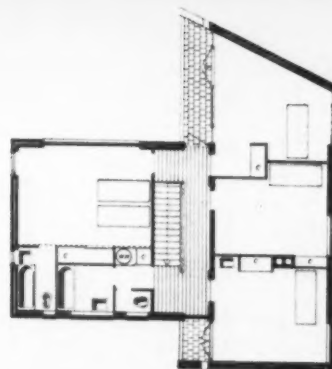
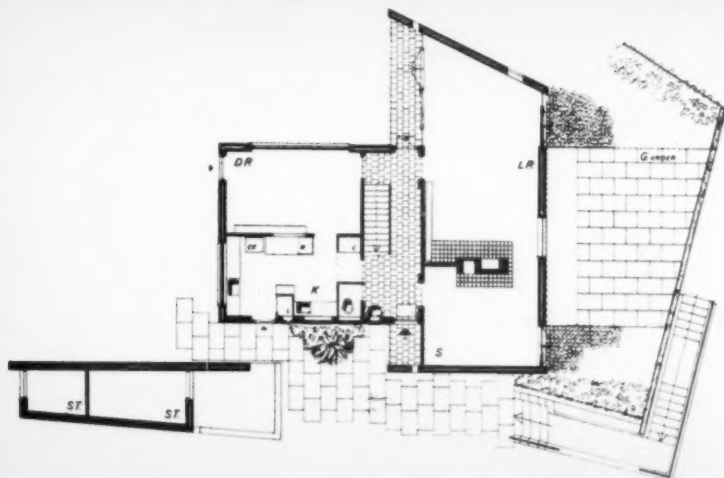


30 November 1960 V.218/22 1s. Weekly

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Door Closer MK III

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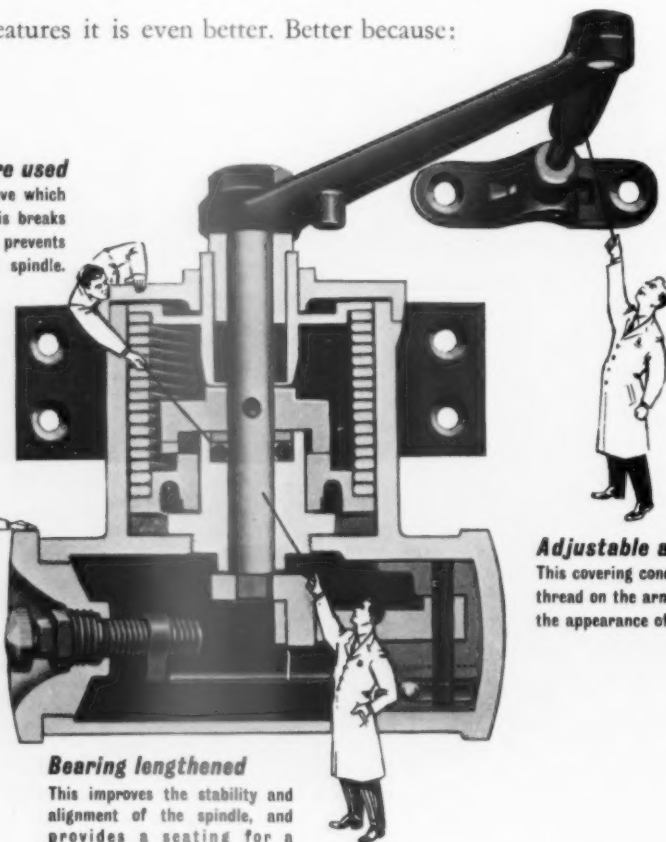
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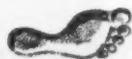
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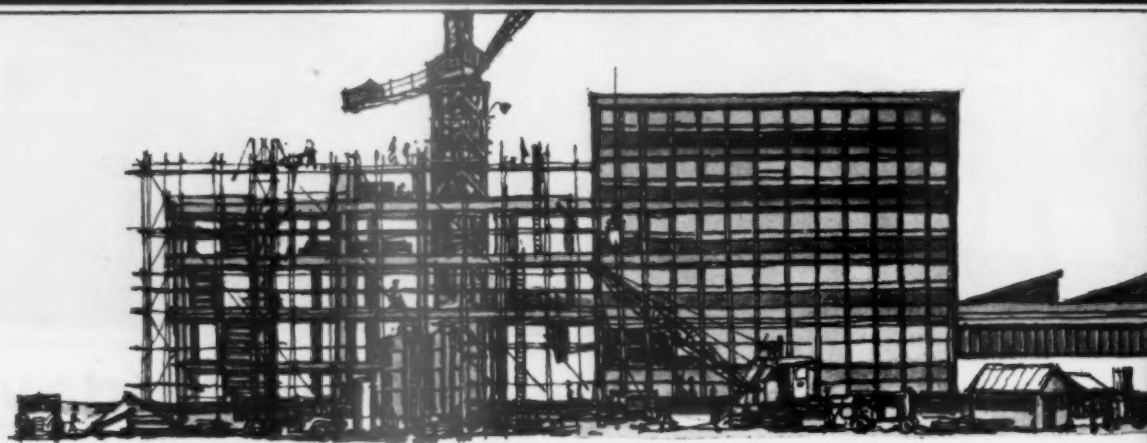
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doorways

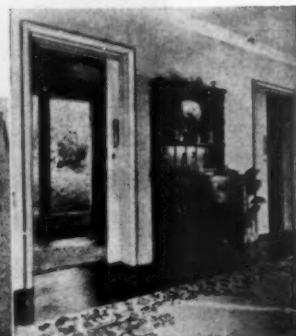
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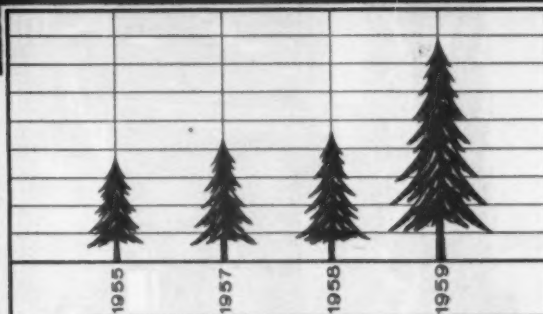
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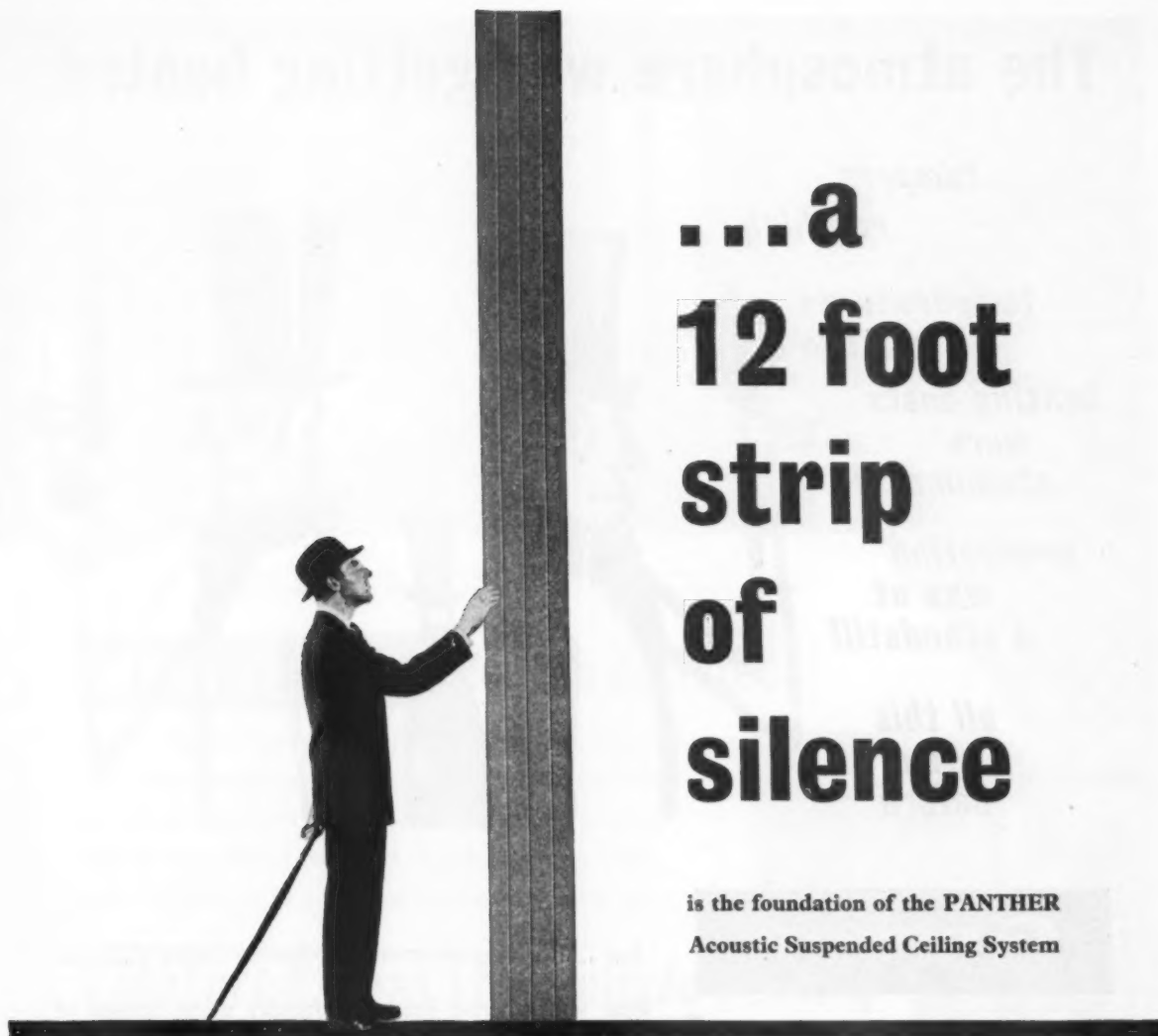
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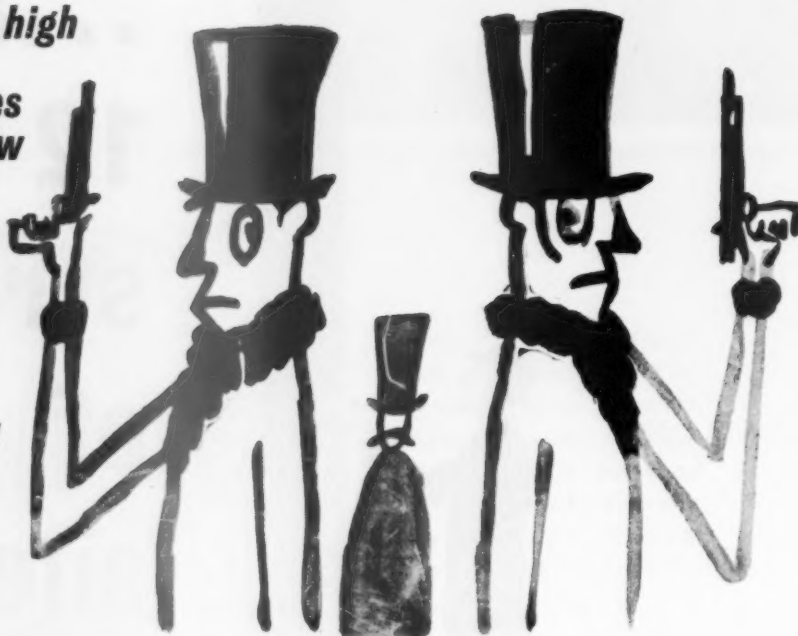
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ran high*

*temperatures
ran low*

*heating costs
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*production
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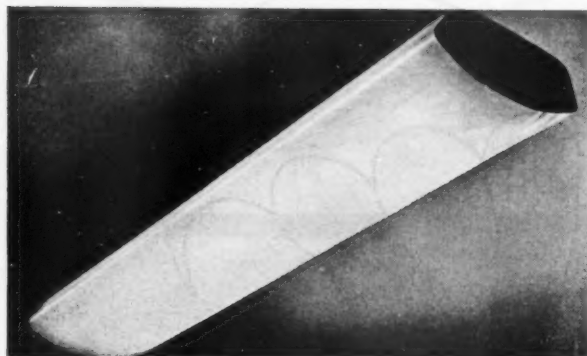
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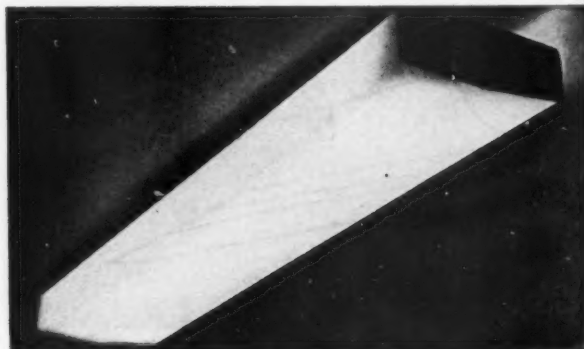
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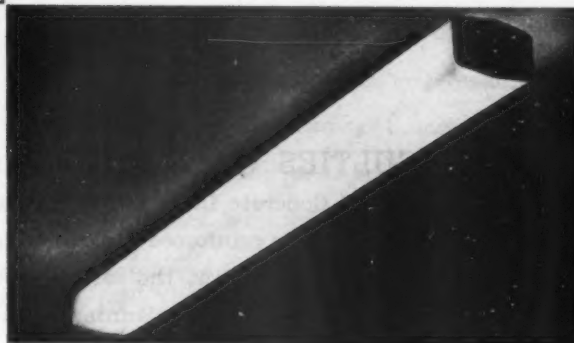


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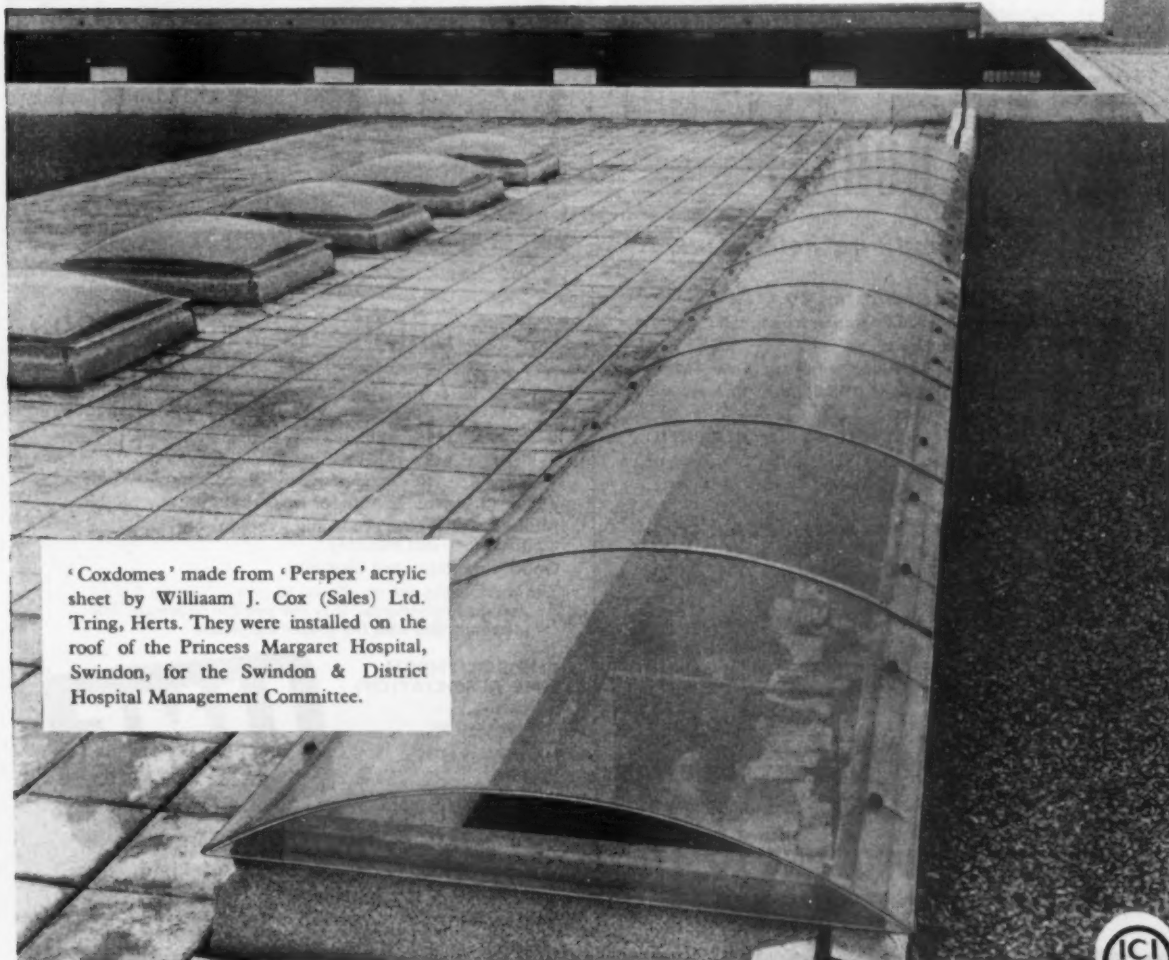
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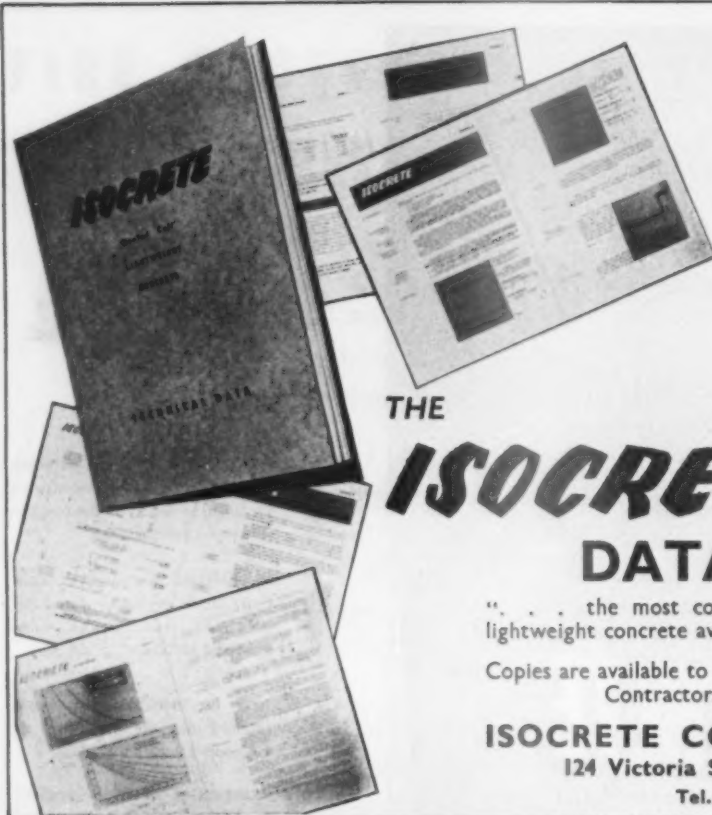
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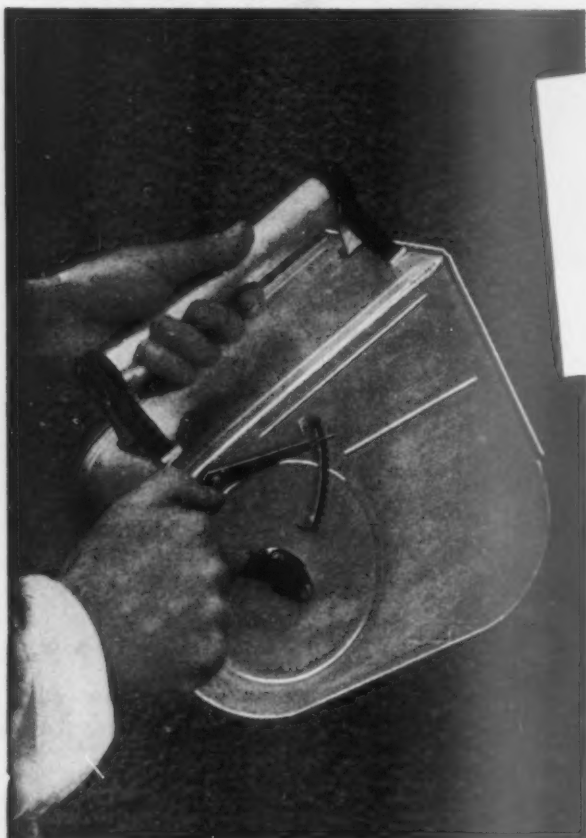
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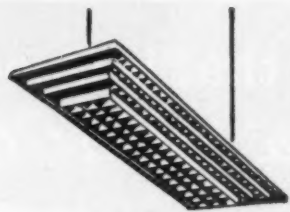
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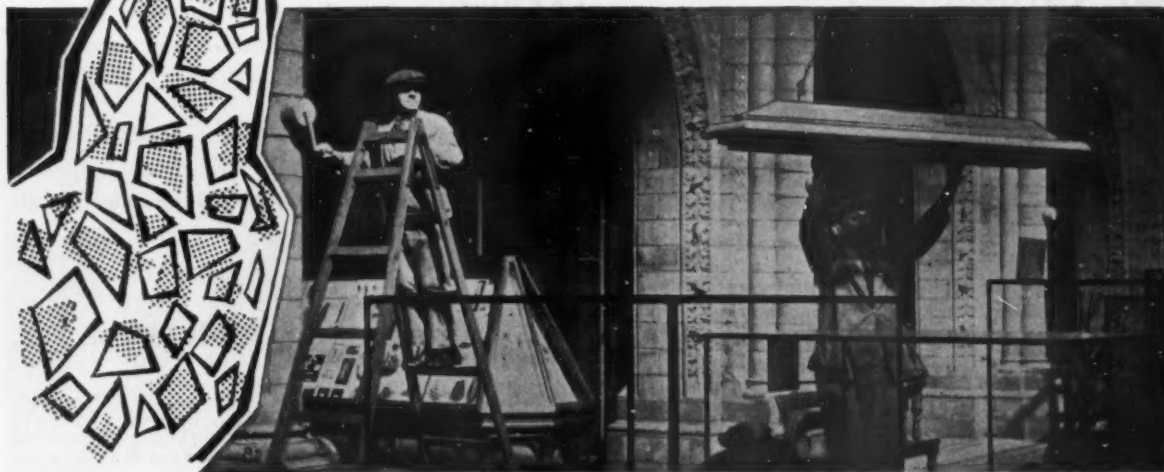


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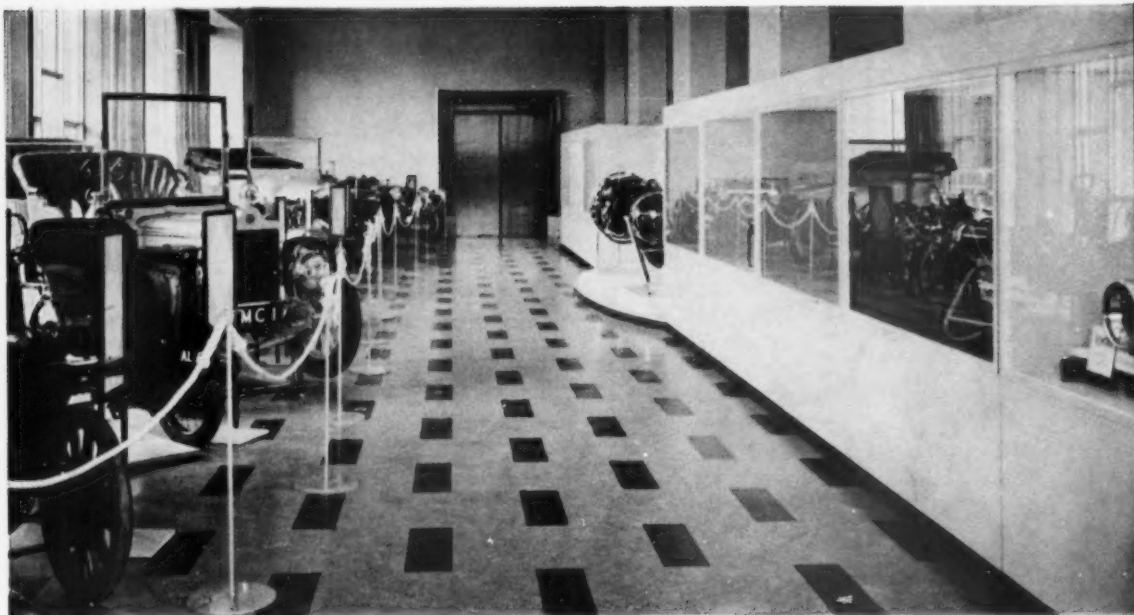
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SPUR

Architect &

ws, 30 Nov



for the Architect

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shopping in safety

MUST we wait for the fully evolved pedestrian shopping centre? The tremendous success of Stevenage, the Lijnbaan in Rotterdam and the innumerable new 'downtown' centres in the USA have proved beyond doubt that people like to shop away from the noise and danger of motor roads. Even the fully motorized families of North America are apparently willing to walk if good car parks are provided.

When the new pedestrian centres come to be built here and to be widely used, the contrast between new and old may raise difficulties in property values unless the idea is also exploited in existing shopping areas. For the contrast which will strike everyone will be between civilized strolling, chatting and window-gazing in the precincts, and the frenzied and dangerous struggle in ordinary vehicle-ridden shopping areas.

Both shopkeepers and shoppers are beginning to ask why numbers of our existing shopping streets cannot be closed to traffic, at least during shopping hours. In many cases, where servicing is possible from the rear, they could be closed permanently, planted and paved and otherwise made more enjoyable. It may be too long to wait for a comprehensive road programme (we have waited long enough already) and, anyway, is it necessary? Many streets are not essential traffic routes, and could be closed easily enough by police regulation provided a firm lead was given by the Ministry of Transport and the Home Office, both of whom, to give them due credit, encouraged similar experiments with their inter-war 'play streets'.

The Times in an article last week gave an interesting list of streets in America, Canada and Western Germany where shopping precincts have been made. Here is a lesson for us. We could start with a list of streets suitable for such treatment and include streets which are receiving a 'face lift', like the Civic Trust's Norwich experiment, wherever it was appropriate for them to become pedestrian precincts.

Horizontal segregation is not the only answer. There are also the new ideas for multi-deck shopping centres with roads and car parks underneath. In the long run this kind of vertical separation may well prove to be a very practical solution. But, until then, let us not despise the best we can do with some existing streets and a few bollards.

New Embassy in Rome

Not many British architects have the opportunity to build in Rome. To be invited to do so is at once a wonderful opportunity and a challenge. By inviting Sir Basil Spence to design new offices for the British Embassy there the Minister of Works has chosen well. Sir Basil will rise to the challenge and, without doubt, provide some fine architecture. I understand that the site, of over six acres, just inside Michelangelo's Porta Pia, is a fine one. The Embassy was formerly housed in a building on this site. In 1946, after the building had been badly damaged by Jewish Terrorists, the Embassy staff moved to the Villa Wolkonsky, the former German Embassy. The new building will be required to house a staff of about 125 and should be finished in about four years. The British Ambassador will continue to live in the Villa Wolkonsky.

The design of British Embassies is at last beginning to look up. The recently illustrated new office building for our Embassy in Washington was a welcome beginning, and Mr. Lionel Brett's design for the house of the British High Commissioner in Ghana another step forward in a policy of providing worthy modern buildings to house Her Majesty's representatives beyond the seas. I hope very much that Sir Basil Spence will have charge of the furnishing of his new building. The furnishing of Government offices in this country has not yet moved very far from the Victorian barrack-room, and it is still necessary to be a very senior person before one is entitled to anything approaching civilized comfort.

Women architects

Every now and then a journalist in search of copy for the national press lights on the woman architect. It is curious that after so long they should still be regarded as an unnatural phenomenon. A cutting from the *Western Mail* for November 22 might easily have come from a paper 20 years old for, with one exception, the only women architects it lists were well-known before the war. Quite a number of women have been trained as architects since then, but perhaps none has attained the fame of the pre-war lot.

The article starts with a crashing mis-statement. It says that the first four women students were admitted to the Architects' Association (*sic*) training school (*sic*) less than 20 years ago. The secretary of the AA tells me that these famous pioneers were admitted to the school in 1917, though the admission of women was not officially sanctioned until 1920. The article I have quoted also says that 40 per cent of the students in the 'training school' at present are women. The correct figure is 10 per cent. I suppose the writer is referring to the Architectural Association?

Stiletto heels

I suppose I shall be considered churlish by some people when I say that it is high time that the fashion for stiletto heels passed on. I do not deny that in the right circumstances a stiletto-heeled shoe can look good. Good looks, however, are not enough. A great deal of irreparable damage is being done to floors by these silly unpractical things, and much time and energy is being wasted on trying to devise ways of combatting them. Better by far that they should be abolished.

At the BRS the ultimate test of a domestic floor seems to be that it shall stand up to the action of a stiletto heel worn by a girl of average power when she pushes herself, on a chair, away from a desk or table. So preoccupied is this department of the BRS with this work that one of its distinguished scientists carries a stiletto heel in his pocket.

Almost daily one sees women in the street surrounded by a knot of people while one of the more gallant of them struggles to free a heel from some noisome grating. Scandalous these holes in the pavement, say some. Serve her right, say I. Students at the new technical college at

Scarborough are to be asked not to wear stiletto heels. The Welsh College of Advanced Technology in Cardiff is well-informed on the problem and someone there has said that elephants aren't in it when it comes to the pounds-per-square-inch pressure of quite a small girl wearing stiletto heels. The principal of the college is considering installing cattle grids at the entrances of his timber-floored library.

The campaign is mounting. Only last week I received an invitation to a party which had printed on it 'Ladies are requested not to wear stiletto heels'. Female reaction to this request was mixed. One said 'Then I shan't go'; another 'I shall take no notice'; and a third 'Very well, I shall carry my shoes in my hand'.

Sweden comes to Britain

I do not think that anyone has yet realized the intensity of the Swedish Trade Drive that is about to be unleashed on this country. I would like to think that our manufacturers were reacting as violently in return. The campaign is to be known as 'Sweden Comes to Britain 1961-62' and will include a furniture exhibition, an exhibition 'The New Stockholm'—to be held at the Building Centre—very large Swedish participation at next year's Ideal Home Exhibition, industrial design at the Design Centre, clothing at a special exhibition, and a large section at the 1961 Building Exhibition.

This campaign, sponsored by between 400 and 500 Swedish firms, is a direct result of the reductions of tariffs on the majority of finished goods to be made by members of the European Free Trade Area.

Trouble in Bristol again

Someone has phoned me to say that a yellow bulldozer is burrowing into the Hotwells slope at Bristol. My second reaction (first: where's my gun?) was satisfaction that the energies of the Royal West of England Academy School of Architecture and the Bristol Civic Society were bearing fruit—had they not seen the City Fathers, and had not the City Fathers agreed to consider the Hotwells proposals and to meet again in six months' time?

But my comfortable ruminations ended abruptly. It transpired that the bulldozer was gnawing away for the benefit of a large garage, which the Corporation must know about, and further development elsewhere on the site, I am told, has been sanctioned. Why doesn't the Corporation 'come clean'? I referred to my disquiet on this point a few weeks ago.

Bristol will never have any architecture if short-sighted piecemeal policy gets by. Who is the Mogul responsible—in what office does he sit? Perhaps Bristol eschews architecture. Which may be difficult to believe; but not so difficult as the years go by. I wonder whether the PRIBA made any comment when he dined with the Bristol and Somerset Society of Architects last night. I will tell you next week.

Coventry progress

To the inhabitants of Coventry the gradual rebuilding and development of their city may seem slow, but to the casual, once-a-year, visitor the place seems to be shaping rapidly. The main pedestrian precinct, for example, now has length as well as breadth and height, and the new gaily mosaic-panelled dance hall has provided a good foil to the rather too large areas of glass and panel infilling of the earlier buildings. If the walls of the dance hall have no windows, the glass manufacturers have had their consolation in the lift and staircase tower which is in the form of a huge free-standing glass case.

The circular café, which stands in the middle of the main fairway, has been open for some time and more shops are being built beyond it. A scheme is on foot to end the vista

with a 17-storey block of flats to answer the spire at the other end. Two or three other high buildings are projected and work on the indoor swimming pool is to begin next year.

The city Department of Architecture and Town Planning is now housed in its own fine building, with a small exhibition hall at pavement level. Mr. Arthur Ling's staff have working conditions second to none, and this is just as it should be.

The cathedral, at the moment, mainly impresses by the vast amount of tubular scaffolding which it contains. All the same, one can begin to appreciate its shape and size, while admiring the quality of the masonry, which appears to be all but finished. The columns from which the vaulting springs are in position and the main entrance porch is under construction. The main bones of the Chapel of Unity are complete and this building already looks most exciting because of its great height and its deeply recessed slit windows.

British Railways' £1½ million station is well under way. This is to be what they call a 'break-through' in British station design, with a large concourse clothed in glass and a restaurant looking towards the station yard on one side and the trains on the other. Meanwhile, the platforms are not the most comfortable places to wait about on on a wet day.

Consumer protection for building industry

The first meeting of this year's Building Centre Forum discussed consumer protection in the building industry. Mr. Thomas Mitchell, ARIBA, and Mr. Peter Trench, director of the NFBTE, were the opening speakers. Mr. Mitchell based his case for more information on manufacturers' products, on the grounds that it was no longer possible for an architect to know all building materials and equipment from personal experience. In his youth, he said, he worked in an office where at the most 24 different materials were in regular use. The staff knew these materials inside out and never had reason to use anything else.

Today new building products appeared at an alarming rate. The Building Centre Monthly List of New Materials noted about 200 new products a year, nearly 1,000 in the four-and-a-half years of its existence. An architect could not possibly have personal knowledge of all these things. Some organization was required to appraise and test products. The present testing resources of the country were inadequate for so vast a programme. Mr. Mitchell paid tribute to the work of the Consumers' Research Association and their publication *Which?* and to the *BSI* and their *Shoppers' Guide*, but pointed out the great difference between testing and reporting on consumer goods, which were expendable or had a short life, and the average building material, which had to have a long life. Although he liked the idea of a private and independent body to do this type of research, he thought that it had its dangers, and painted a frightening picture of consumer research in the hands of sharks.

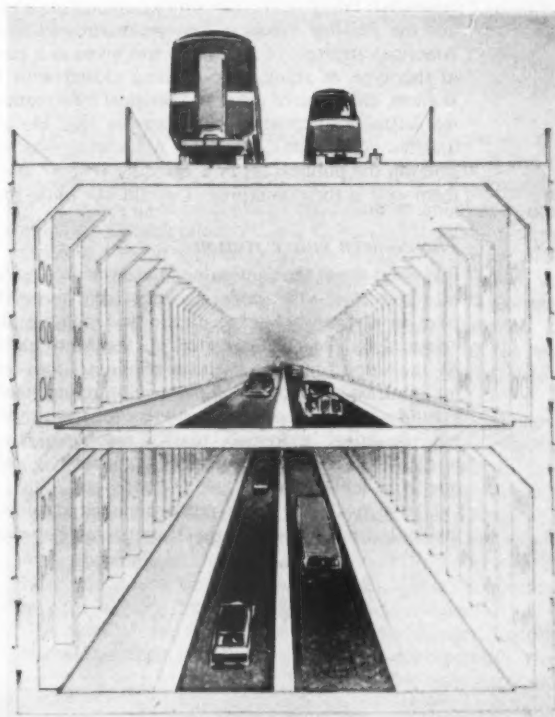
Mr. Trench asked who was the consumer and who needed protection? He thought that the Sale of Goods Act protected the purchaser, or was meant to. Most manufacturers, however, contracted out by limiting their liability in their conditions of sale. Everyone, he said, was familiar with the motor-car manufacturer's guarantee which, in operation, paid for any necessary replacement parts but left the purchaser of the car to pay for the labour involved in fitting them. In the same way, a builder might be called upon to replace a faulty bath. He could obtain a replacement from the manufacturer without trouble, but had himself to pay for taking the old one out and fitting the new. This was sometimes a very expensive business and very unfair to the builder.

Generally speaking, Mr. Trench agreed with Mr. Mitchell that something extra was required. He thought that there was room for a specialist *Which?* for building. It could, in the first place, deal with comparatively simple things, such as

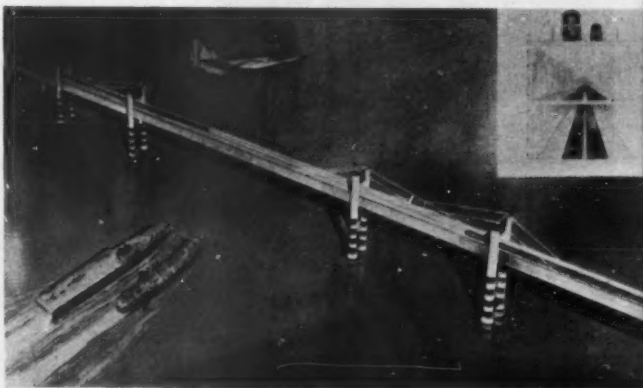
paint brushes and putty; small things in themselves but of enormous importance to builders, who had no ready means of comparison.

In answer to a criticism made by Mr. Mitchell, who said that one of the weaknesses of testing consumer goods was that the information was quickly out-of-date because of the introduction of new models, Mr. C. F. Brook, director of CA, said this might be true. His association's aim, however, was to train consumers to appraise products themselves, basing their judgment on the methods used by the association in its work.

Mr. Wardle, of the Concrete Block Makers Association, was against the setting up of a new organization. He thought that enough public money was already invested in the *DSIR*, which should undertake the task of consumer protection. This brought a smart rejoinder from Mr. Bevan, of the



Sketches of the type of bridge favoured by Sir Owen Williams as a future cross-channel link between Britain and France. It would have two carriage-ways, one above the other, and the roof might be used for a railway track



Building Research Station, who pointed out that the BRS was a research organization and not a testing house.

It is extraordinary how many people in the industry still think that the BRS spends its time testing proprietary building materials. It had been suggested by other speakers that British Standards were often of too low a standard, but Mr. Wardle found that, as they applied to the manufacture of concrete blocks, they were almost impossible to comply with.

Mr. Patrick Cutbush, of the BSI, did not agree with this, but did agree that some standards based, in particular, on post-war housing practice, were too low. Unfortunately, there was too little demand from the professions or the industry to justify their revision. Mr. Cutbush mentioned the curious fact that, in the furniture trade, some manufacturers of expensive furniture considered the BS tests too elementary for their products. The facts were that quite often this expensive furniture would not pass the tests.

Several speakers mentioned the need for comparative tabulated information on similar materials and products, and the *Building Products Register* recently published by the American Institute of Architects was given as a good example of this type of thing. The evening closed with Mr. R. T. Walters, chairman of the RIBA Technical Information Committee, letting an important cat from the bag. He said that he understood that the Consumers' Association was, in fact, considering the publication of a *Building Which?* and he wished them well in their enterprise. I would like to do the same.

The modern police station

It is good to see the continuing interest of the *Daily Telegraph* in architecture. The paper recently gave more than half a page to a review of some of the new police stations being designed by the chief architect to the Metropolitan Police. At the same time two pictures of old stations were shown for contrast. Unlike the *Telegraph's* architectural reporter, I could not help shedding a small tear for the rather charming, but doubtless extremely dark, inconvenient and out-of-date little building at Sydenham, which is among those due to be replaced.

I have not seen many modern police stations from the inside, but I have noticed that duty-rooms, however carefully

thought out, quickly seem to take on that indefinable look, possessed by all rooms—Army guard rooms being the worst in this respect—lived in 24 hours a day. It is difficult to put a finger on the trouble, but good ventilation has something to do with it. It would seem to me logical to have two duty-rooms one for day and one for night, for I believe that the rooms themselves need a rest.

Blast-furnace slag

About eleven million tons of slag are produced each year in this country as a by-product of the operations of blast furnaces. Slag is a valuable material and is widely used for road metal, railway track ballast and, in various forms, as an aggregate in building. In spite of all this, something under two-thirds of the output is utilized. The rest goes on the slag-heap.

The British Slag Federation is much concerned that more uses should be found for this material. It seems absurd, for example, that we should be digging up the countryside and leaving large holes in order to provide aggregate for concrete while someone else is spoiling more countryside piling admirable unwanted aggregate in heaps.

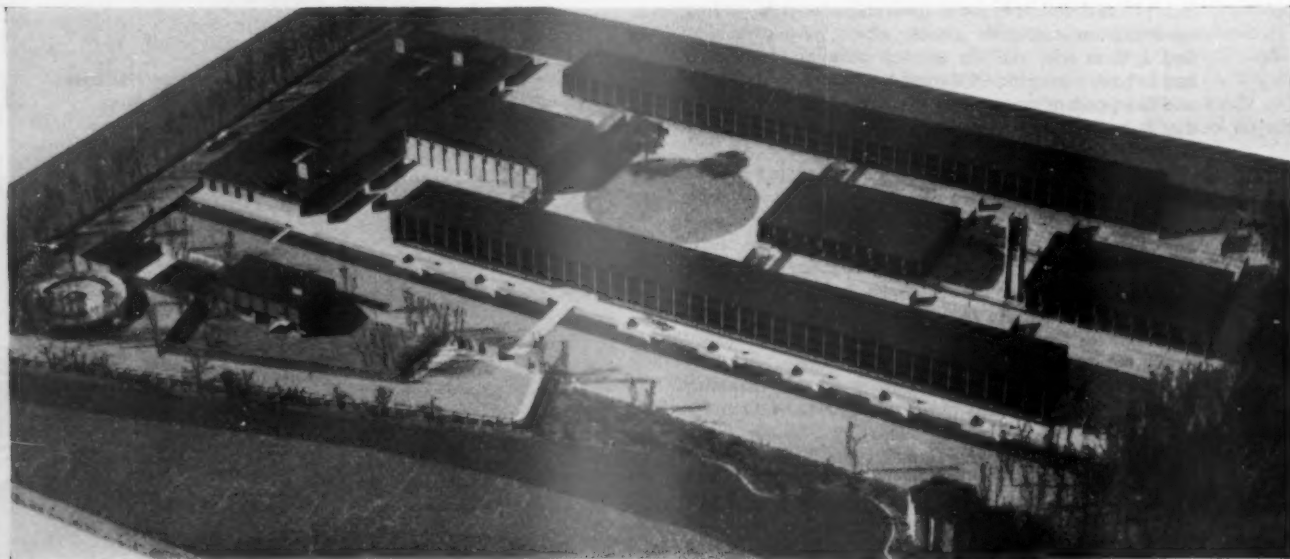
Trade literature competition

Conditions for the next competition for Manufacturers' Trade and Technical Literature are out. Once more the competition has been jointly sponsored by the RIBA and the Building Centre. The conditions are printed for the first time on international A4 sized paper and have been specially designed to catch the managing director's eye.

The organizers tell me that one of their greatest problems is to get this document to the right man. The conditions have once again been tightened up, and in the light of criticism of previous competitions, a new marking system has been devised. Entries will, in the first place, be judged against a set of factual requirements for good trade literature. Manufacturers and producers of trade literature, therefore, would be well advised to study the conditions with more than usual care. In the past it has been obvious that many firms have sent in anything that they happened to have handy without any serious reference to the conditions. Last day for sending in is April 15, 1961.

ABNER

*St. Catherine's College, Oxford, designed by Professor Arne Jacobsen.
See comment by Bryan Little on the facing page*



has Oxford scored?

The Architect & Building News, 30 November 1960 693

Bryan Little comments on Professor Arne Jacobsen's designs for St. Catherine's College

PROFESSOR Jacobsen's designs for St. Catherine's at Oxford, as now revealed in London and in the University most concerned, will provoke much discussion and critical appraisal. May a Cambridge man suggest that they are best considered not only in relation to Oxford and to the general body of our cultural and commercial architecture, but also alongside the new colleges being built, or soon to be started, on the north-western fringe of Cambridge?

So far as I can tell from press accounts, and from photographs of the model, Professor Jacobsen's design for Holywell Great Meadow has some obvious merits, and one or two equally evident failings. Its landscaping, in relation to the Cherwell and other watercourses in that rather Cambridge-like part of Oxford, is excellent. Oxford Colleges, except for Magdalen, owe little of their charm to adjacent waterways: St. Catherine's, by contrast, will have something of the flavour of a Cambridge College on the Backs. The separate Music Room (perhaps a patrons' idea) will be a brilliant touch. Professor Jacobsen has courageously tackled a problem unknown to the builders of pre-nineteenth-century colleges—that of building from scratch a college which will accommodate all, or nearly all, its members in an age when numbers are far larger than was ever contemplated when the ancient colleges were founded; Trinity at Cambridge, one recalls, was considered a mammoth among colleges, with a hundred members all told in 1546.

Where Professor Jacobsen's scheme is far less happy is in the general disposition of its buildings. The spacious main quad (or court in Cambridge parlance), though partly filled by the library and lecture blocks, comes nearer to the campus-like impression of Wilkins's Downing College at Cambridge than it does to most other colleges at Oxford or Cambridge. Yet it seems to lack the classic grace of Wilkins's 'academic village' as originally conceived. The long, low, gauntly rectangular residential blocks remind one all too well of other things. They have, I see, been dubbed 'factory buildings'; I suspect that some local wags in Oxford may irreverently suggest that Lord Nuffield has decided to move in his assembly lines even closer to Carfax than they are already.

One hears that Professor Jacobsen, in his preparatory study of existing colleges at Oxford, was the most impressed by New College. This was, of course, in Wykeham's time, the prototype of a college systematically planned, from its beginning, to have all the elements, neatly arranged, that one normally associates with an Oxbridge College; the earlier foundations at Oxford (even Merton with its prototype statutes) had been haphazard in their physical growth or insignificant in their architectural scale. To some extent, therefore, New College was an obvious model for Professor Jacobsen just as it was, in the 1440's, for Henry VI at Cambridge; a bell tower, somewhat awkwardly included in the St. Catherine's designs, was planned both at New College and also (without ever being built) in Cambridge at King's. In both cases it was seen as the fitting accompaniment of a college cemetery.

Yet even at New College the buildings which one now sees are very far from being a complete group erected in one building operation. The fourteenth-century living accommodation was raised, much later, by another storey. Out towards the garden some charming buildings (only lately refaced) are of the Renaissance period, while along towards Holywell New College displays some very nasty Victorian stuff. Another block is shortly to be added to the ensemble; this, one notes, will be by Mr. Wyn Roberts of Cambridge who

has much distinguished himself there by his work for town and gown alike.

No one, however, will wish to deny that the Danish contribution to the architecture and craftsmanship of Oxford will be of much interest and merit; as the heir to the Danish throne is now at Girton, it would be pleasant to think that Professor Jacobsen could loyally add some touch of real distinction to that most horribly Victorian of Cambridge Colleges. What one asks oneself, however, about St. Catherine's is whether we are to get anything significantly better than what could have come from one of our British designers of new colleges. It is here that one has to compare St. Catherine's at Oxford with Mr. Lasdun's Fitzwilliam House and Mr. Sheppard's Churchill at Cambridge. I am not, as yet, aware in detail of what the New Hall of Messrs. Chamberlin, Powell and Bon will be like.

To begin with, there are several details, hailed as something of novelties in the designs for St. Catherine's, which will be much the same in Churchill or Fitzwilliam. Mr. Sheppard and Mr. Lasdun have both placed their hall, its ancillary rooms, and their Combination (*Oxonia* Common) Rooms in blocks which will stand almost or wholly separate from the other ranges. The 'built-in cloister' or 'covered arcade' which will lie on the inward-looking sides of Professor Jacobsen's accommodation blocks have already been included by Mr. Lasdun in his Fitzwilliam design. Both of the new Cambridge Colleges (and probably New Hall as well) will be housed in buildings of modest height.

Both at Churchill and Fitzwilliam the main entrance seems likely to be a good deal more imposing and satisfactory than at St. Catherine's. Once inside each college, there should be much more intimacy and college-like sense of enclosure in Fitzwilliam and, at Churchill, in Mr. Sheppard's ingenious series of small courts, a most gallant effort to plan living accommodation for men whose total numbers (unlike those laid down for Fitzwilliam and St. Catherine's) are to be far too many for a socially satisfactory college.

In both of the Cambridge colleges the general handling of the buildings and their materials, except perhaps when compared with some interior fittings in Professor Jacobsen's buildings, should be as good as in St. Catherine's and in some ways more sympathetic to the *ethos* of that uniquely English institution, an Oxbridge college. One begins to wonder, when thinking of what some of our native architects had accepted, or submitted, for the new colleges at Cambridge, whether a journey from Denmark, however admirable its results, was *really* necessary.

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Architects' departments: are they necessary?

The views of the Institution of Municipal Engineers on this subject have been set out in the letter published below which has been addressed to Town Clerks in a number of the larger local authorities.

The decision by the Institution to send this letter has been prompted by the action of the Royal Institute of British Architects in writing to a large number of local authorities advocating the setting up of a separate new department with an architect as chief officer. (See A & BN, November 9, 1960, Architect in Local Government: RIBA statement, p. 584).

Dear Mr. Town Clerk,

RIBA Letter of November 1 1960

The President of the Royal Institute of British Architects has taken the unusual step of addressing a letter to your authority, advocating the establishment of a separate and new Department with an architect as a chief officer.

As a consequence I have been instructed to put before you the views of the Council of the Institution of Municipal Engineers on this matter.

If you have considered it necessary to bring the letter from the RIBA to one of your Committees I would ask you to submit this letter also to that Committee.

1. The Council agree that local authorities should obtain appropriate and skilled architectural advice, and in fact practically all of them are doing so at the present time; but the proposal generally to create independent architectural departments is made not in the interests of local authorities but to enhance the status of a particular profession, without due regard to the facts or the necessities of the case.

2. Considerably more than 50 per cent of the building work carried out by local authorities is of an engineering character, and cannot be designed and carried out by architects alone. Collaboration between engineers and architects is therefore necessary, and the problem is how such collaboration can best be obtained in the interests not primarily of either profession but of the local authorities which they serve.

3. These teams, each led by an Engineer to the Local Authority have built with distinction, business efficiency and economy over 60 per cent of the 3½ million local authority houses and many other buildings.

4. The creation of an independent architectural department would entail the co-operation of two separate staffs, each under its own chief officer. While this may be found to be desirable in certain of the largest authorities, it cannot be recommended as a method for general adoption, since it involves difficulties in securing co-ordination, and is wasteful of money and particularly of staff time. It should be pointed out that, where there are separate departments, staff cannot be readily transferred from one job to another, which is so necessary to secure the most economical use of personnel. Furthermore, separate departments mean duplication of staffs, accommodation and equipment, and consequently increased expenditure.

5. Undoubtedly the best method, from the point of view of economic and efficient local administration, is a single department co-ordinating and carrying out all building activities, including their engineering, architectural and planning aspects, controlled by one chief officer with assistants who are qualified in the various branches of the work to be carried out. Obviously such an arrangement will mean that assistants qualified in one profession will have to serve on the staff of a co-ordinating chief who is himself qualified in another profession. From the professional point of view there can be no more objection to architectural assistants serving under a co-ordinating officer who is an engineer and surveyor than there is to the reverse arrangement.

6. Sir William Holford in his letter to you suggests that better architects will work for your authority if you make an architect your chief officer. This argument if valid would mean that poorer engineers would work in a team headed by a chief architect, and consequently the vitals of any structure would be the poorer. Structural stability with overall economy are the essentials of a building and with these essentials one agrees it is highly desirable to combine beauty.

7. The architects' statement mentions the number of

authorities who have created separate departments but fails to draw your attention to the number who have been disappointed with the results and have abandoned the experiment either wholly or in part.

8. The statement of the RIBA Council drawing attention to the outstanding work of the architects department in the London County Council and in the Ministry of Education infers that similar results would be obtained by creating separate architects' departments in most local authorities. By no stretch of the imagination does this follow.

9. The position of the London County Council is unique. Its income, population and resources equal or surpass those of some countries, and the salaries paid to their architectural staff are in accordance with these resources. An economic and sensible approach to architectural work in an authority of that vast size does not provide a parallel for the average authority of 40,000 to 100,000 population where all engineer-

diary

This week

Town Planning Institute

December 7, 6 p.m. Discussion: Residential Development Densities. At Livingstone Hall, Broadway, S.W.1.

Royal Society of Arts

December 6, 6.30 p.m. Joint meeting with the Institution of Plant Engineers. 'Civil and Engineering Problems of Tall Buildings', Sir Thomas Bennett, KBE, FRIBA. At John Adam Street, Adelphi, W.C.2.

Housing Centre Trust

December 6, 6 p.m. Joint meeting arranged through SPUR. 'SPUR's Policy for Urban Renewal', D. Rigby Childs. At 13 Suffolk Street, S.W.1.

Brixton School of Building

December 7, 6.30 p.m. The last of seven lectures on 'Organization of Mechanical Plant for Building Contracts', G. A. D. Roberts, BSc(Eng), AMICE. At Ferndale Road, S.W.4.

BBC Network Three

December 6, 7.30 p.m. 'Building Matters.' Discussion on 'Apprenticeship Training'.

Ministry of Works

December 1, 7 p.m. 'The RIBA Form of Contract', I. M. Duncan Wallace. At Hammersmith Town Hall, King Street, Hammersmith.

Royal Institution of Chartered Surveyors

December 5, 5.45 p.m. 'Off-Street Parking', E. H. Doubleday, OBE, FRICS, PPTPI. At 12 Great George Street, Parliament Square, S.W.1.

The Building Centre

December 7, 12.45 p.m. Lunchtime film show. 'Right at the Top.' At Store Street, W.C.1.

The Association of Supervising Electrical Engineers

December 6, 7.30 p.m. 'Fire Protection', by courtesy of Minerva Detector Co. Ltd. At 'Marquis of Lorne', Friar Street, Reading.

Competitions reminders

The Star Competition (redevelopment of Piccadilly Circus). The *Evening News* have made an announcement about this competition. See story on page 696.

Country Landowners' Association (Farm Buildings). Closing date for entries: December 30 (news, A & BN, September 21).

Bowaters Irish Wallboard Mills Ltd. (Hotel Unit). Closing date for entries: early December (news, A & BN, November 2).

ing, surveying, structural works, architecture and planning are under the control of the Engineer and Surveyor. It does not provide an argument to change well tried methods.

10. The most notable achievements of the team of Ministry of Education architects have been achieved by a programme of research well beyond the means of all but the wealthiest local authorities.

This example of central government direction of architectural work, which provides the benefits of large-scale architectural research and planning is available to every local authority irrespective of how their architectural work is organized.

11. Similarly the results of work by architects on cost study and increasing efficiency are available to all architects however they are employed.

12. It is indeed unfortunate that there is a shortage of adequately trained and experienced staff in most of the professions allied in building and that the rewards available in local authority work are insufficient to attract recruits from other fields. This staff shortage has sometimes led to criticism of the department responsible. The creation of separate architects' departments will do nothing to remedy the position but will only intensify the competition for additional staff.

13. Local authorities may therefore be invited freely to consider whether the co-ordinating officer should be an engineer and surveyor or an architect. Hitherto he has, with rare exceptions, been qualified as an engineer and surveyor, and any proposal to depart from a practice which has worked well in the past should be examined in the light of the fact that the vast majority of the technical work carried out by local authorities is engineering and surveying, and that these subjects also form the basis of town and country planning. It should also be noted that the training and experience of local government engineers and surveyors covers much of the work included in the practice of architecture.

Conclusion

14. In conclusion, it is not the intention of this Institution to decry the professional work or quality of a sister profession. We do not deny that there are a number of very efficient architect's departments in the country and that these have done good work for the very large authorities. It does not follow that all authorities should do likewise and thereby upset the 'all purpose' Departments which are at present operating efficiently.

If you intend to place this question of policy before your Council I should be pleased to supply a copy of this letter for every member of your Council.

Yours faithfully,
H. V. OVERFIELD,
Secretary,
Institution of Municipal Engineers.

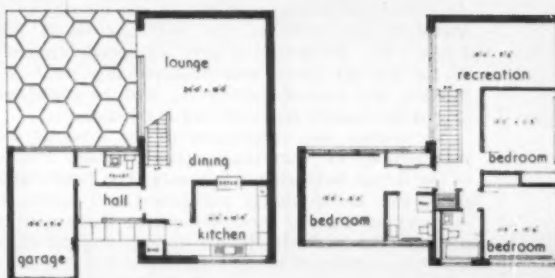
Commenting on the letter, the RIBA say that their statement was not issued to start an inter-professional squabble about status, but to make proposals about the best way of promoting good architecture and efficient buildings by local authorities. The 58 county and non-county boroughs that have appointed architects as chief officers in the last 20 years have done so to get better buildings at no extra cost, and in a shorter time, and not to enhance the status of architects. (Further comment next week.)

Architects in local government: Minister's comment

A question was asked in the Commons last week about the RIBA's list of local authorities that do not employ architects. The questioner, Mr. Deedes (Con., Ashford), asked Mr. Brooke, Minister of Housing and Local Government, whether his attention had been drawn to the matter.

Mr. Brooke stated in a written reply: 'Yes, I have seen this list and also the associated circular. The list refers to authorities who do not employ chief architects; a number of them do employ architects although not in chief posts. Within recent months I have frequently expressed my concern, both in Parliament and at meetings of local authority representatives,

continued overleaf



1961 'House of the Year'

A 'house of the year' 1961 has been chosen by *Woman's Journal*. This year the house is one of a number being built at Copse Hill, Wimbledon, by George Wimpey and Co. Ltd., and designed by their architect's department. The cost of the house is £10,750, plus £59 per annum for ground rent and site levy (leasehold). This price may seem rather high to some people but in terms of publicising better house design the choice is a good one. The 'echelon', as the house is called, is designed to form a repetitive pattern in terrace development (see plan), giving economy in land area while overcoming the problem of privacy between adjoining houses. The site itself is to be landscaped comprehensively, each house having its own secluded terrace but no garden in the sense of a fenced-off area. This is a bold experiment by Wimpeys, showing imagination which could usefully be used in the field of low-cost housing development.

about the standard of design in local authority building, some of which is very good, but by no means all. I am considering whether there is anything more I can do to ensure a higher standard all round, and I am taking account of the views expressed by professional bodies*.

'The Star' Piccadilly competition

Intending entrants in the Piccadilly Circus architectural competition announced by *The Star* before it was incorporated in *The Evening News*, will be pleased to know that it is intended to continue with the competition.

All the conditions given in the original *Star* prospectus for the competition will apply, except that the closing date for entries will now be Monday, January 16, 1961. The assessors, it will be recalled, are E. Maxwell Fry, CBE, Edward D. Mills, CBE, and Noel Moffett; the premiums offered are £300, £200 and £100.

The address to which entries are to be sent may also be changed. All students who have notified their intention to compete will be advised. There is still time to give notification of entry for students who have not already done so. They should write immediately to: Architectural Competition, Special Services Department, The Evening News, Carmelite House, London, E.C.4.

Faculty's best attended dinner

At the annual dinner and ball of the Faculty of Architects and Surveyors, held at the May Fair Hotel, London, on Friday, Mr. William R. Cubitt, the newly elected president of the Faculty (he is sole principal of Cubitt & Partners, building and quantity surveyors), said the attendance was the largest the Faculty had ever had at the dinner.

Mr. Cubitt was responding to the toast of the Faculty proposed by H. Van Blankestein, Minister Plenipotentiary of the Royal Netherlands Embassy. The Netherlands ambassador was unfortunately indisposed and unable to attend. A group of Faculty members visited Rotterdam and other places in the Netherlands this summer and the success of the visit was mentioned by both speakers.

The Faculty now has nearly 2,000 members throughout the world, with 14 branches in the UK and 2 branches overseas.

• NFBTE technical enquiry service

The National Federation of Building Trades Employers has decided to take an initial step towards the establishment of its own Technical Information Service by inaugurating a Technical Enquiry Bureau at national headquarters.

It is proposed that the Bureau will work on the following lines:—

(a) The purpose of the Bureau will be to give guidance to NFBTE members on individual technical problems.

(b) The Bureau will be prepared to deal primarily with enquiries relating to materials, including the diagnosis and cure of defects that develop during or after the completion of a contract.

(c) Although the Bureau will not normally undertake site inspections, such inspections will be carried out in those cases where it is considered that an examination of the problem involved is likely to be of value to the NFBTE membership as a whole.

(d) The Enquiry Bureau will not act as a Consumer Advisory Service and no opinion will be expressed, except in general terms, on proprietary materials.

(e) The Bureau will be available to all members of the NFBTE without charge as part of the Federation service.

Holford to plan new town

Sir William Holford, RIBA president, has been asked to draw up plans for a new town at Cawder Estate, near Glasgow. Development of 4,000 of the 5,000 acres could treble the population to a region of 40,000 people. This would ease Glasgow's overspill problem. The proposed new town would cost £120 million.

The development would be undertaken by private enterprise. It falls within the boundaries of four different local authorities—Lanark, Dunbarton, Stirling and Glasgow—which include residential, commercial, industrial and agricul-

tural areas, three golf courses and several churches. It is hoped to incorporate all these activities in the new development, bringing new industry to the area and providing attractive residential accommodation with appropriate recreational entertainment and shopping facilities.

Colonel William Stirling, the proprietor of the Keir and Cawder Estates, which would be concerned in the development, has stated that nowhere else was a block of land of such potential to be found so close to a big city. The country's best brains would be employed to make Cawder a model of its kind. Preliminary investigations may be embarked upon by the end of the year and the aim would be to incorporate excellence throughout, constructing a 'sense of parallel developments contained in the master plan'. Work, however, could not commence until an overall plan had been arranged.

A comprehensive scheme for the area was prepared by the late Sir Patrick Abercrombie just before the war, but was abandoned when the war broke out.

New Galashiels Academy

Galashiels Academy is to have a new building to replace the existing accommodation which, with alterations and additions, will become a technical college (see photo of model). The school is to be sited west of Scott Park in about 15 acres of Gala Estate. The architects are J. & J. Hall.

The Academy has been officially designed to accommodate 820 pupils, but by economical planning about 900 can actually be taken. The main classroom block of four storeys will overlook Scott Park on the east side and the playing fields on the west. This block houses five art, five homecraft, seven science, two commercial and two geography rooms, and a library with a greenhouse and meteorological station on the roof. This block has a reinforced concrete frame with slate panels under the windows which will be of aluminium and double glazed.



Connecting the main block to the assembly hall, dining and gymnasium are two wings enclosing a pleasant courtyard which may be used for senior pupils and for outdoor studies. The technical block is raised on stilts, giving a covered play space and accommodation for bicycles. A visual aids room will enable the school to make full use of films and T.V. and, as the floor is stepped, will make a good lecture room. A hobbies room for after-school activities has also been provided. It is intended to heat the school by electrical underfloor heating and it is hoped to provide a modified system of extract ventilation to keep the teaching rooms cool in hot weather.

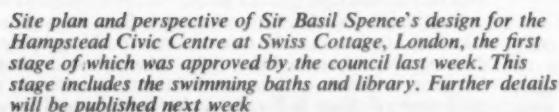
In the playing field area, two rugby pitches, two hockey pitches and a cricket square have been allowed for, a grass running track of Olympic size will also be provided and three hard tennis courts constructed. The whole project is estimated to cost £500,000.

Hospital extension for Fife

A 123-bed extension to Victoria Hospital, Kirkcaldy—the first stage of a new hospital plan for Fife—was formally opened last week by the Princess Royal.

The extension has taken four years to build. It is one of the largest and most modern hospital projects undertaken in

continued at foot of next column



Architects for the main extension were Mr. John Holt, assisted by Mr. Eric Davidson, and for the kitchen and dining-room Alison and Hutchison, in conjunction with Mr. Holt.

Mr. Alfred Emmet, Director of the Questors Theatre, Ealing, told a meeting of The League of Dramatists at the theatre recently about some of the problems they had to face in deciding on the form their new premises should take.

or the open-end stage were more appropriate. A freshly considered and imaginative approach was called for.

What should be the nature of illusion in the theatre? he asked. Should it be the picture-frame illusion, in which everything must be fitted into a rigid pattern to give the illusion of reality, or should it be based on the imagination of actor and audience?

At the Questors they had discovered that an entirely different effect was created when they used a forestage. In other words, if the picture-frame arrangement were used, everything had to be concentrated and focused within the frame; outside it the illusion tended to be broken.

An illusion created through the imagination of actor and audience, on the other hand, required a much closer relationship between them and between the audience themselves. There must be no barrier to such contact.

Nobody was able to answer these questions from practical experience. They therefore decided that what they wanted for the Questors was an adaptable theatre; to present plays under the conditions for which they were written.

What about the plays of today and tomorrow? Something

new had to be found and nobody could tell what stage-audience relationship would evolve. They hoped to meet this need at the Questors too.

Mr. Emmet said that the Victorian picture-frame theatre was, after all, only an 'outsized tele' or gigantic parlour. They must create a theatre where the imagination could be freed; a place where audience and actor could be together; and where the actor and the word are supreme.

Norman Branson, of W. S. Hattrell and Partners, architect for the new buildings, said he was fortunate in this project in being able to pull the units apart, and so avoid the 'lumpiness' or 'jam-factory' appearance of theatres where site limitations had prevailed. It was also possible to let the units speak for themselves and to minimise fire risks.

An architect could only create within the environment in which he worked, and it was not surprising, as the arts were all a form of expression of this environment, that the breaking down of the proscenium coincided with a loosening up in the arts generally.

In tackling the job of providing an adaptable theatre, they had aimed to provide four types of stage—the picture frame, the picture frame and forestage, the open-end and the arena. In fact, they found that a fifth type, which would permit continuous action, evolved in the course of the work.

During the discussion, Mr. Emmet said he thought lighting in the theatre had hardly begun to be exploited. He doubted whether there was a future for the theatre-in-the-round, which placed the emphasis on the actor and the word rather than on the spectacle.

Building outlook for 1961

The joint consultative committee of architects, quantity surveyors and builders has considered the likely trend of building activity in 1961 in the light of information provided by each of the three constituent bodies—the RIBA, the RICS and the NFBTE.

The committee was impressed by the fact that all three bodies, carrying out quite independent and separate investigations, have concluded that the building industry will be just as busy in 1961 as in 1960. With this certainty of outlook, the committee urges that (a) architects, surveyors and building owners should make increased efforts to furnish contractors with all relevant information and drawings on time, and contractors should make full use of such information; (b) manufacturers of building materials should raise their output sights even higher; and (c) building contractors should improve still further their recruitment and registration of craft apprentices.

Leeds development

The Leeds Town Planning and Improvements Committee have decided to grant a lease of 125 years to Town Centre Securities Ltd., for the development of a five-acre central site in Leeds.

The development will include the first motel in Leeds; a five-storey car park for 1,000 cars; a 10-storey block of shops, offices, and probably residential flats; covered pedestrian shopping precincts, and underground service roads. The architects for the scheme are Gillinson & Barnett, Leeds.

Air pollution survey

Mr. Henry Brooke told the Standing Conference of Co-operating Bodies on Air Pollution last week that in principle he welcomed the idea of a national survey of air pollution. He was pleased that the original working party had prepared recommendations for a survey to be made on a more systematic basis.

As individual local authorities or others became interested in the subject and applied to join the co-operative scheme and take measurements, it had grown up in a rather haphazard fashion and had reached a stage where some national standard was needed by which the results of all these local measurements could be judged.

Professional announcements

The partnership between J. F. Munce and G. R. Smail practising as Munce & Kennedy, architects and consulting engineers, of 133 University Street, Belfast, has been dissolved as from October 31, 1960. The practice is continuing at London and Belfast under the same title and J. F. Munce has taken into partnership L. A. Roche, BA(Atch), ARIBA, MRIAI, W. J. McDowell, BSC, AMICE, AMIWE, and J. F. Sheldon, ARIBA, MSIA.

R. Simpson, ARIBA, and F. H. Lewis, BSC, AMICE, AMIMUNE, AMIWE, join the firm as associate partners.

J. F. Sheldon is in charge of the London office which has now moved to larger premises at 10-11 Bulstrode Place, London, W.1.

in parliament

Scottish house-building

Mr. John MacLay, Secretary of State for Scotland, stated in the Commons that at the end of September 23, 698 houses were being built by 129 local authorities in Scotland and another 4,060 by the Scottish Special Housing Association and the new town development corporations. One hundred and two authorities had no houses under construction.

Replying to another question, in which he was asked to take steps to increase the rate of house-building by new town development corporations, Mr. MacLay said that Lord Craigton, Minister of State for Scotland, had already met the chairmen of East Kilbride and Cumbernauld new town development corporations on this question.

He added: 'He proposes shortly to have a further discussion at a joint meeting with the three corporations.'

Working group on monuments

The Chancellor of the Exchequer (Mr. Selwyn Lloyd) was asked in the Commons to state the membership and terms of reference of the working group on the Historic Monuments Commission.

He replied: 'The working group, under the chairmanship of the Financial Secretary (Sir Edward Boyle), will be composed of ministers representing the other departments concerned. It will consider and, where necessary, re-assess the nature, scope and organization of Exchequer-financed work throughout Britain on identifying, recording and research into historic monuments and buildings.'

Plans for extending green belts

The Ministry of Housing and Local Government have received 68 sketch plans for extensions of green belts, said Mr. Henry Brooke, the Housing Minister, in a Commons written reply.

Five of the plans are for the extension of the London green belt and the remainder for 31 other green belts. Decisions have been given in all but five of the sketch plans.

Mr. Brooke said he had before him 13 proposals for including green belts in development plans. These had been submitted at various dates from 1958 onwards and he would reach decisions on all of them as soon as he could. Meanwhile during preliminary stages before a green belt was incorporated in the development plan local planning authorities had been asked to apply development control.

Model of Piccadilly scheme

Mr. Henry Brooke, the Minister of Housing, is to take up with the LCC—when they have considered the proposed scheme for the future development of Piccadilly Circus—whether a model of the development can be displayed at the Palace of Westminster.

Photos: Collin Westwood

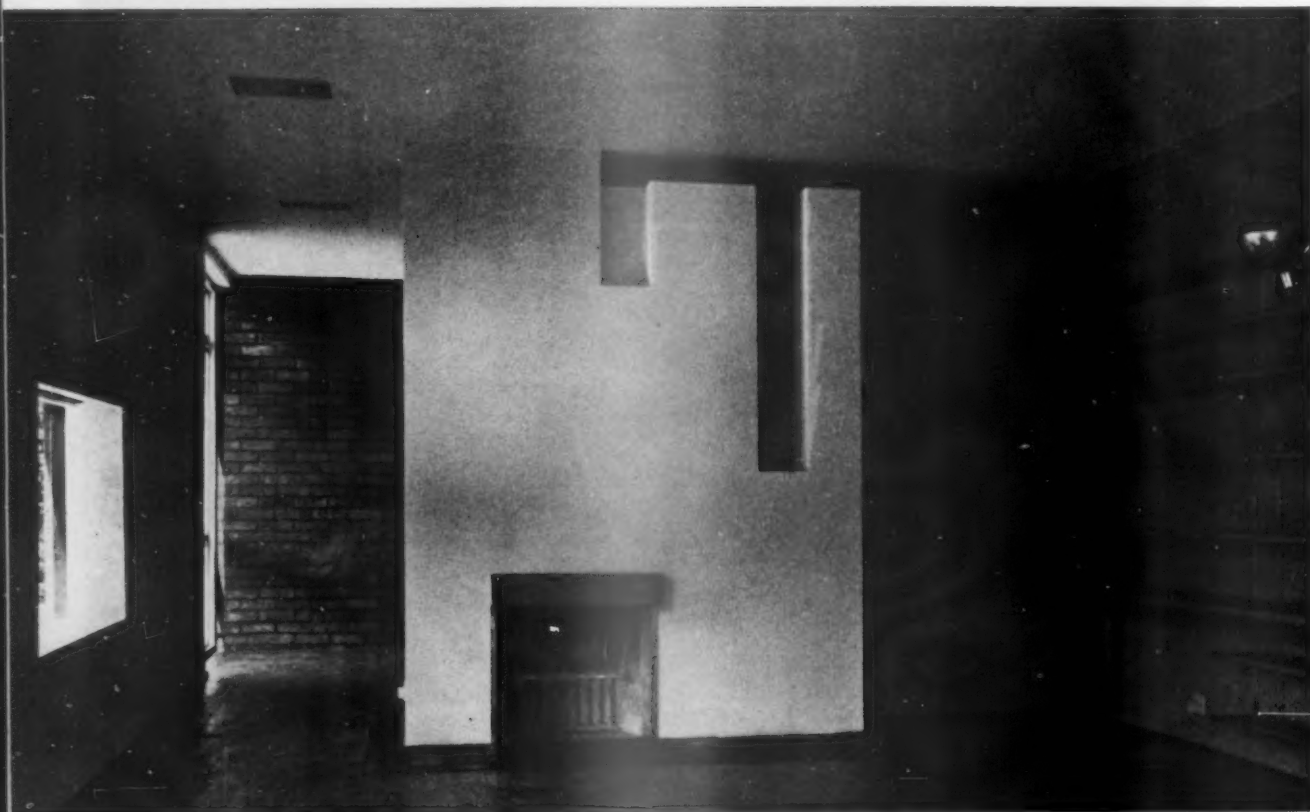


house at Hampstead

Trevor Dannatt, architect

Sited at the end of a new access road and standing well above it, the house is approached by a flight of steps broken into easy stages with changes of direction. Above this, a terrace is screened by planting, with garages under (see above and plan on page 701). Below, the garden elevation





A detail of the fireplace wall to the living room with study beyond, prior to furnishing and, below, after occupation. The house is exactly tailored to the requirement of a family of four, the relationship of rooms to each other and the external environment providing good possibilities for entertaining. Facing page, the living room looking towards access doors which lead into the garden

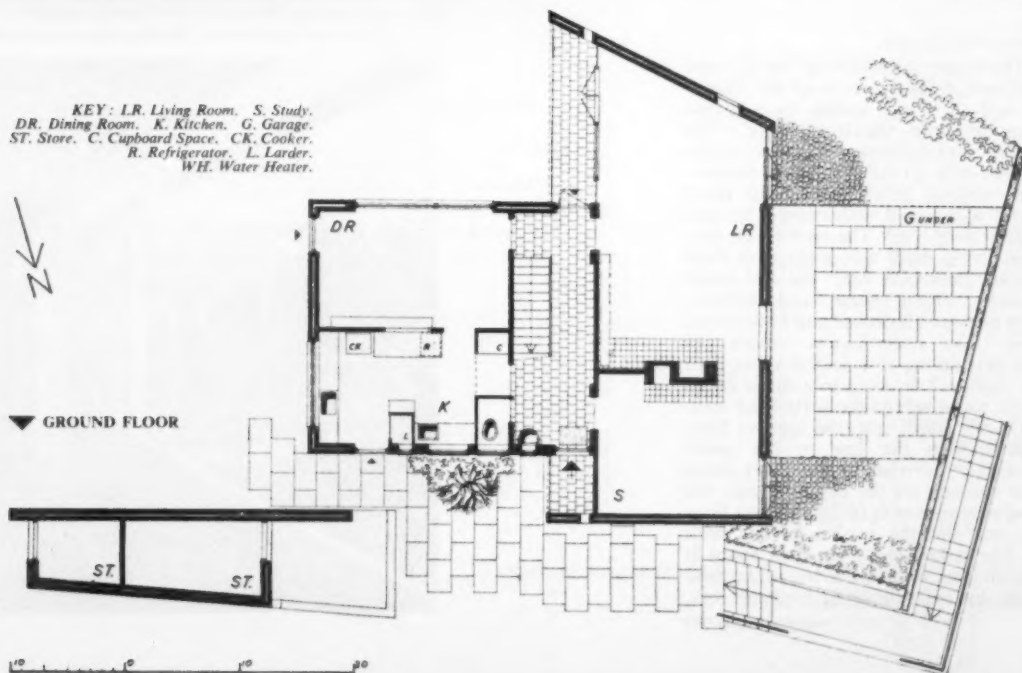
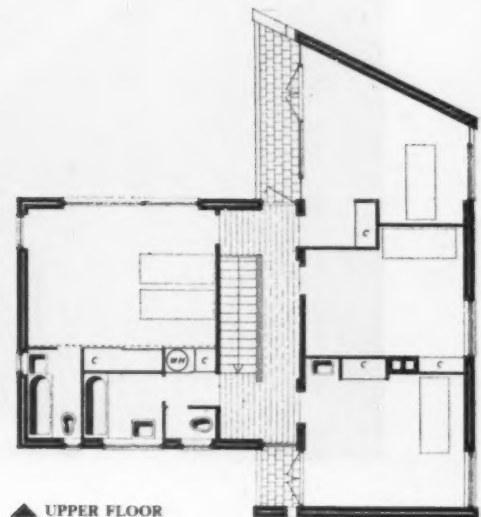
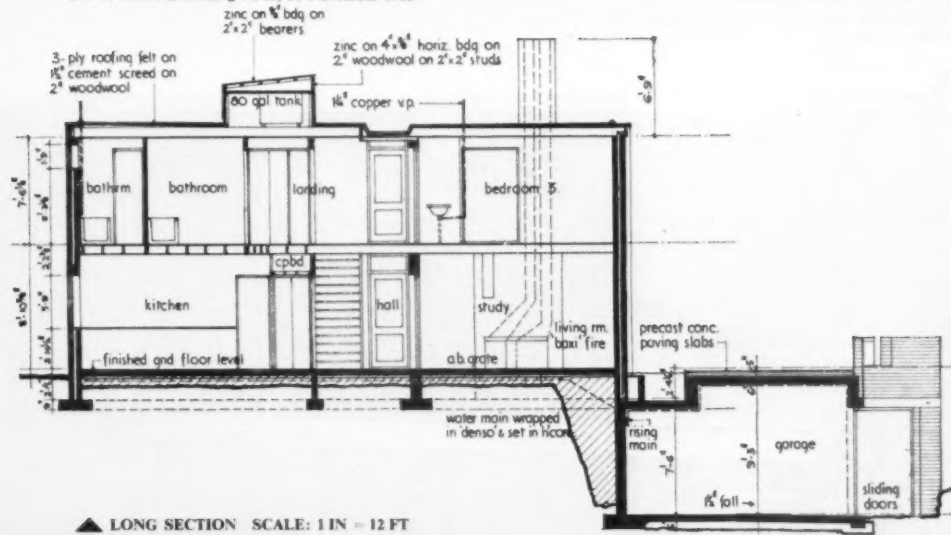
THE site was formerly part of the garden of 'Frognaal Grove', which had been chopped up into a few plots by the vendors.

A new access road ends in a turning circle some 12ft lower than the adjacent side of the site which otherwise falls to the south-east. The awkward shape of the site, and the need to screen future buildings to the south, led to the T-shaped plan with the living room principally orientated east and west, embracing the garden on one side and opening out on to the formal terrace over the garage (at road level) on the other side where the views are particularly fine.

The approach to the house is by flights of steps broken into easy stages with changes of direction. The terrace is at a higher level than the path and will be screened by planting. Past the north flank wall, a turn through 180 degrees leads to the front door, recessed in a porch.

continued on page 702







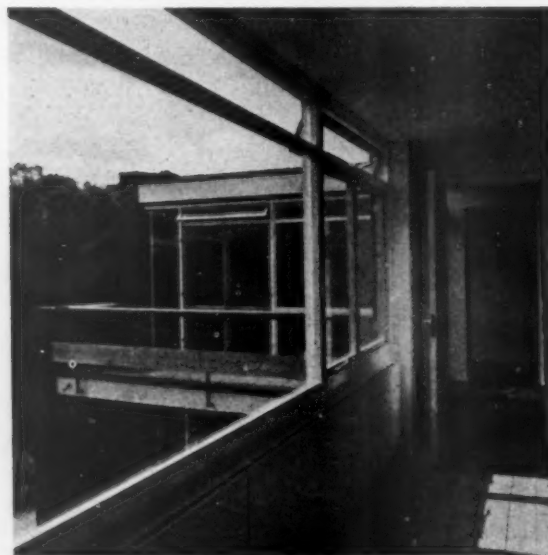
Detail photos of the east block. Construction generally is of Pluckley black facing bricks and block cavity walls: timber windows with sub-cill panels composed of cast glass-asbestoluse-fibreglass blockboard sandwich; blockboard fascias and aluminium flashings (see details on page 703)

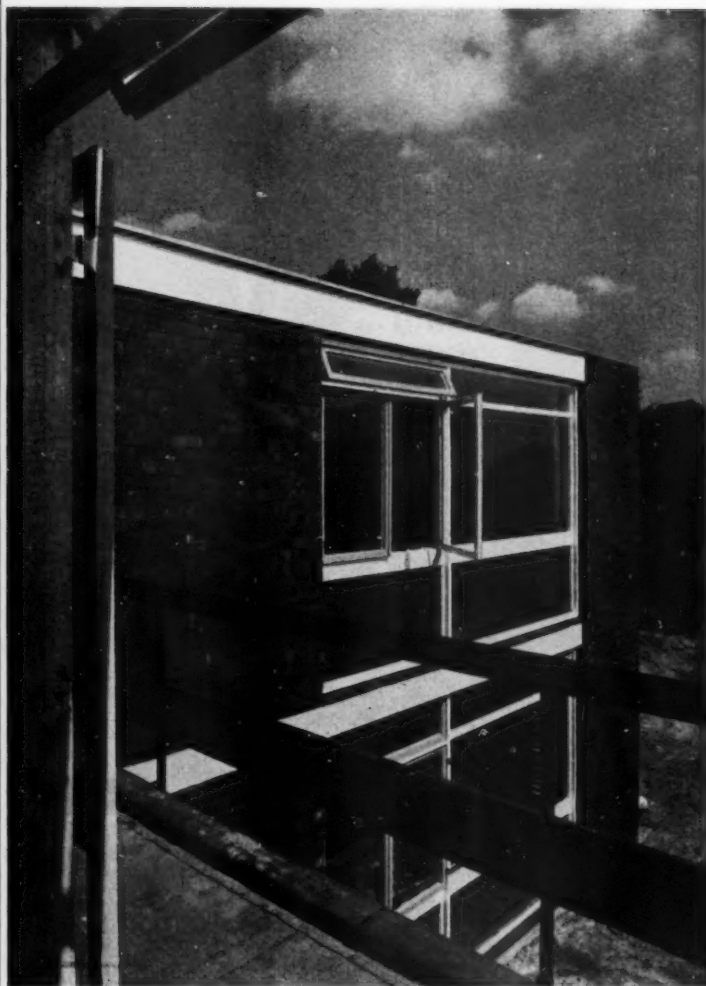
continued from page 700

The house is divided by the hall and stairway giving access to all the rooms, as well as to the garden by a glazed door opposite the front door. The formal arrangement and the structure follows this division on both floors—the entrance porch and living room porch correspond with narrow terraces at first floor level. The west block contains living room and study with three smaller bedrooms over, the east block includes dining room and kitchen, with principal bedroom and bathrooms, over. The roof layout consists of two flats falling to a central valley over the stair hall draining to a single r.w.p. in the recess behind the north flank wall.

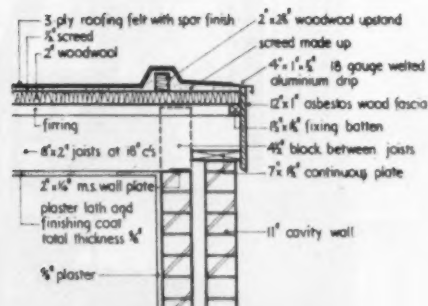
On the south side, the splayed flank wall follows the line of the south boundary and visually the living room area extends on the east side into the long narrow porch under the first floor balcony and the garden beyond with its fine cedar tree. The main space is sub-divided to form living room and study by the projecting fireplace wall.

continued on page 704

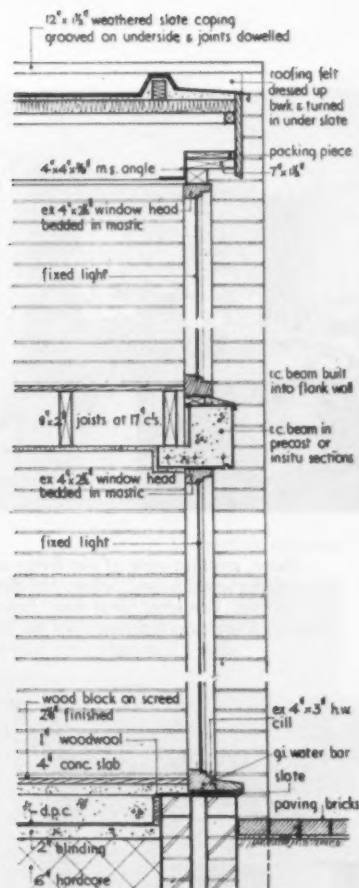




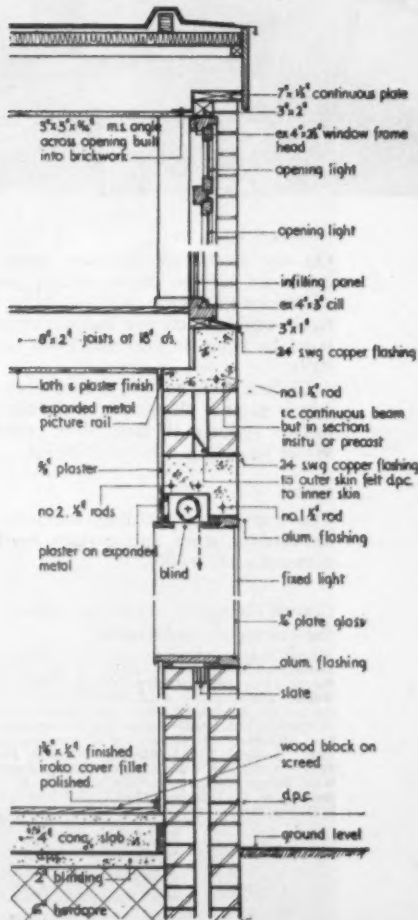
The east block seen from a first floor balcony



EAVES DETAIL SCALE: 1 IN = 2 FT



WINDOW WALL DETAIL



TYPICAL WALL DETAILS



Above, another view of the living area in occupation and, below, the dining room. Top right, first floor hallway looking towards a balcony over the front door; a detail of the staircase



continued from page 702

On the west side the cast block is expressed by the corresponding panel of brickwork being isolated from the flank walls which are further emphasized by being in fairfaced brick internally.

Electric floor heating is used over the whole ground floor area with electric radiant panels to first floor rooms. Water heating is also by electricity.

Costs

The cost of the building, inclusive of an exterior store and certain built-in fittings was £9,000.

General Contractor : LESLIE BILSHY LTD.

Sub-contractors and suppliers :

Electric Heating : Dulree Ltd. Electrical Installation : London Electricity Board. Facing Bricks : Richard Parton Ltd. Gas Installation : North Thames Gas Board. Ironmongery : A. J. Binns Ltd.; H. & C. Davis Ltd. Kitchen Cupboards and Bookshelves : F. W. Clifford Ltd. Light Fittings : Falk, Stadelmann & Co.; Merchant Adventurers Ltd.; Ascog Ltd. Lino Tiles : Resilient Tile & Flooring Co. Ltd. Plastic Tiles : Armstrong Cork Co. Roof Waterproofing : Wm. Briggs. Sanitary Fittings : Shanks & Co.; Bolding & Co.; Stitsons & Co. Terrazzo Shelf : Malacarp Terrazzo Co.



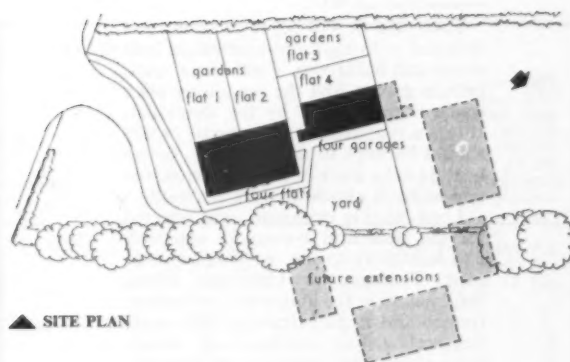
flats at Ipswich

The Architect & Building News, 30 November 1960 T. 705

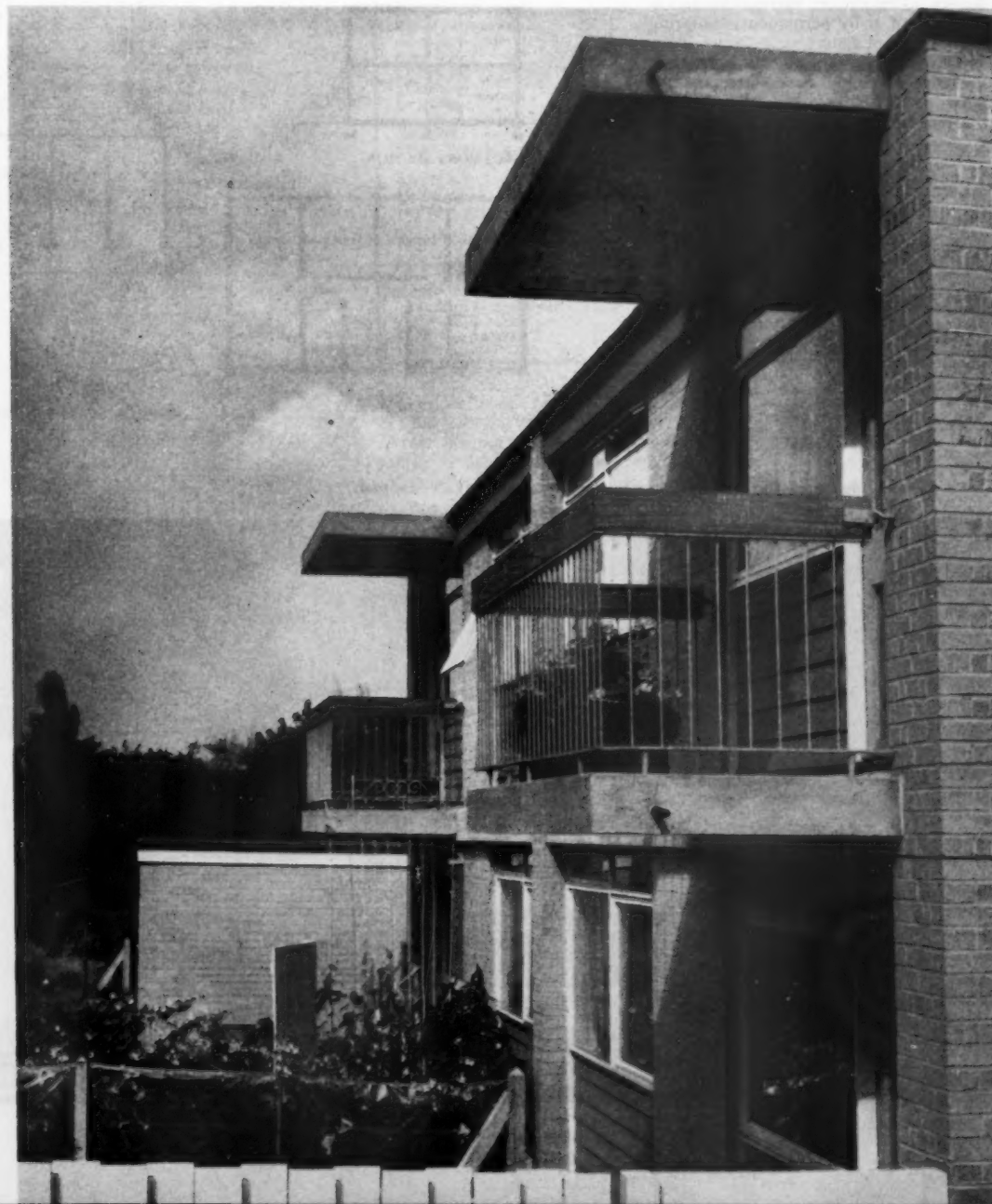
Leslie and Peter Barefoot, architects
Caston and Porrit, quantity surveyors

THE flats are sited on the outskirts of Ipswich and are intended for letting on long lease to single people or married couples without children. They were intended to be, as the site plan shows, the first stage of a scheme for 18 flats to be built by a private developer in three three-storey blocks linked by garages. Surrounding the site are many fine tall trees. The completed two-storey block, containing four flats, is so constructed that the additional floor can be added later.

continued on page 706



The garden elevation



continued from page 705

Each flat is 478 sq ft in area, and includes a living-room-kitchen, a bedroom and bathroom. Each has a small private garden and the remaining open space is maintained by the developer. It was a requirement that capital outlay should be kept to a minimum; space-heating is by built-in electric convectors and water is also heated by electricity.

Load-bearing brickwork was selected for the structural system for economy and suitability to the cross-wall type of plan. Facings are Uxbridge Flints. Infill panels in the long walls are timber-framed and faced externally with cedar weatherboarding insulated by wood-wool slabs. The windows are purpose-made of white-painted deal, with purpose-made metal opening lights. Five-inch reinforced concrete slabs are used for the first floor and the roof, and the first floor has a layer of fibreglass, for sound insulation; thermal insulation in the roof is by permanent shuttering of wood-wool slats.

A high standard of finish was required in the entrance hall, where terrazzo has been used for pavings, and random marble tiles face part of the main entrance.

General Contractor: RANDALL & WILLIAMS
Sub-contractors and suppliers:

Bituminous Felt Roofing: William Briggs & Sons Ltd.
Combination Tank: Rolyat Tank Co. Ltd. **Electrical Installation:** H. W. Turner. **Facing Bricks:** William Brown (Ipswich) Ltd. **Garage Door Gear:** P. C. Henderson Ltd. **Ironmongery and Sanitary Fittings:** Smyth Bros. (Ipswich) Ltd. **Marble Wall Tiles:** Jaconello Ltd. **Metal Windows:** Crittall Manufacturing Co. Ltd. **Plastic Tile Flooring:** The Marley Tile Co. Ltd. **Sewage Disposal Equipment:** Burn Bros. (London) Ltd. **Signwriting:** Mills & Rockleys (Production) Ltd. **Steel Rod Reinforcement:** Indented Bar & Concrete Engineering Co. Ltd. **Terrazzo Paving:** C. Pasini (Ipswich) Ltd.

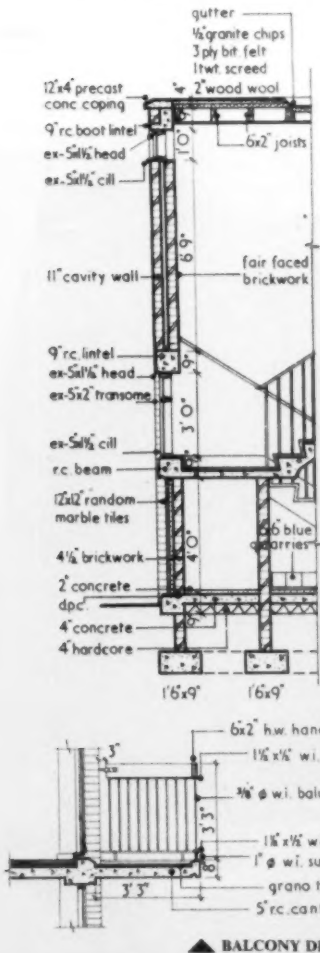
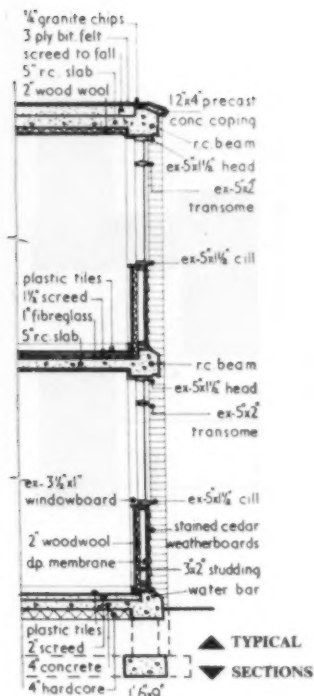


Entrance elevation



Each flat (whether or not on an upper floor) has its own garden (see site plan)





COST ANALYSIS OF CONTRACT PRICES

Tender date	June 1958
Work started	June 1958
Work completed	March 1960
Tender price accepted	£8,276
Highest tender price	£9,565
Lowest tender price	£8,276
Superficial area of building	2,807 ft sq (including garages)
Cube of building	52,024 ft cu (including garages)

	Total		Per F.C.	Per F.S.
	£ s. d.	%	s. d.	s. d.
Foundations	263 2 10	3.14	2	11 10 1/2
Superstructure				
Floors	446 6 1	5.33	3 1/2	3 2
Walls	757 1 5	9.04	5 1/2	5 4 1/2
Roof	605 5 10	7.23	4 1/2	4 3 1/2
Windows	733 11 9	8.76	5 1/2	5 2 1/2
Facing materials or external finishes	216 14 11	2.59	1 1/2	1 6 1/2
Finishes				
Ceilings	133 16 2	1.60	1	11 1/2
Doors	427 2 9	5.10	3	3 0 1/2
Walls	331 10 8	3.96	2 1/2	2 4 1/2
Floors	495 5 10	5.91	3 1/2	3 6
Cupboards	95 10 10	1.14	1 1/2	8 1/2
Other fittings	74 1 0	.88	1/2	6 1/2
Installations				
Lighting and electric power	629 16 4	7.52	4 1/2	4 5 1/2
Plumbing	880 11 9	10.51	6 1/2	6 2 1/2
Drainage	694 8 6	8.29	5	4 11
Siteworks				
Paths, planting, roads, etc.	914 10 9	10.92	6 1/2	6 5 1/2
Specials				
Dustbins	7 2 4	.08	1/2	1/2
Garages	669 12 10	8.00	4 1/2	4 8 1/2
Total (less surveyors' fees)	8,375 12 7	100.00	5 0 1/2	59 2 1/2

Total cost of job (balconies were not in original tenders; added later at clients' request)	£8,678 3s. 10d.
Cost per ft super	£3.09
Cost per ft cube	3s. 4d.

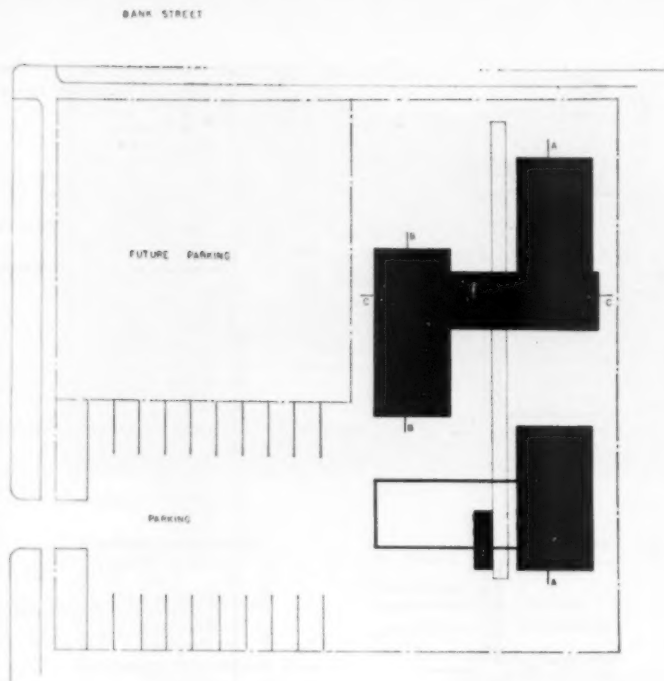
One of the living rooms with a kitchen beyond (curtained off if necessary). A further two flats can be added to the existing total of four by constructing a third floor



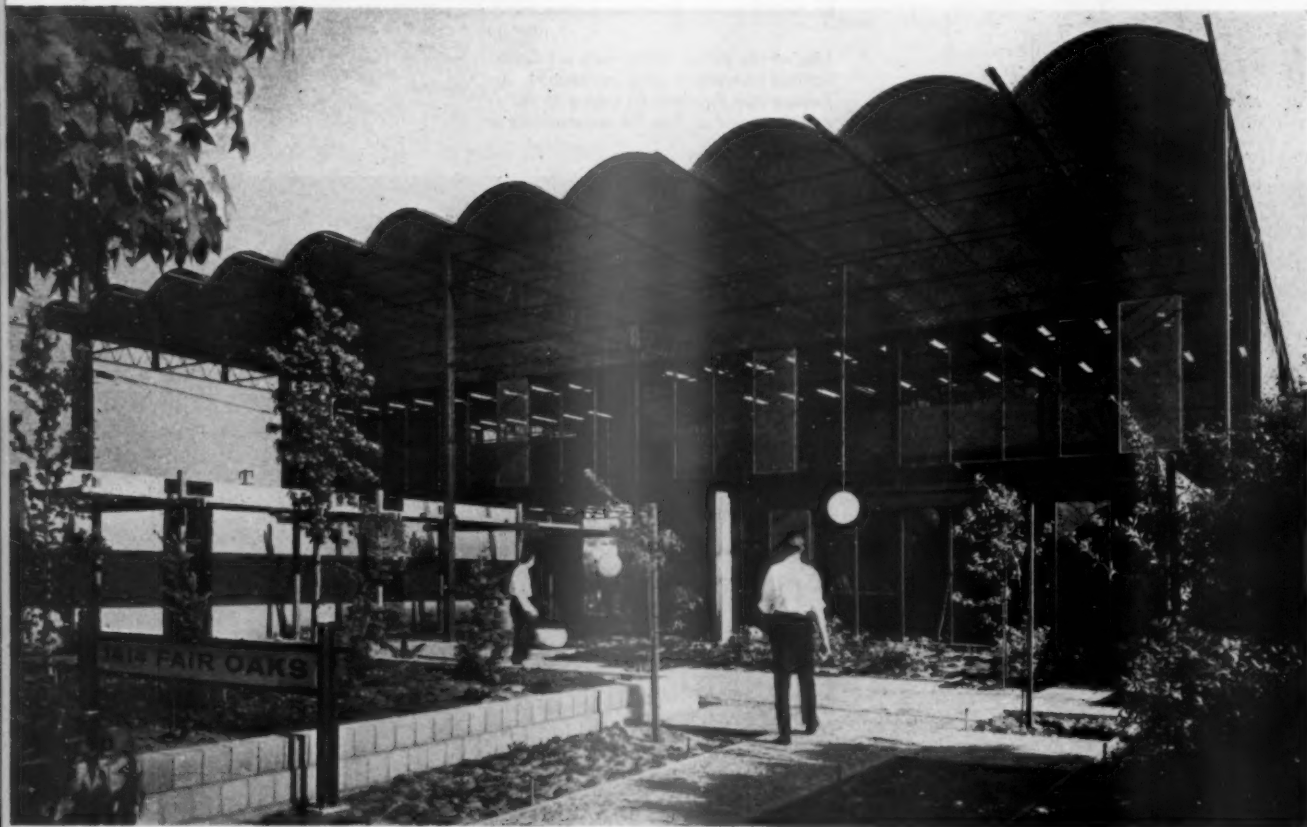
Smith and Williams, architects

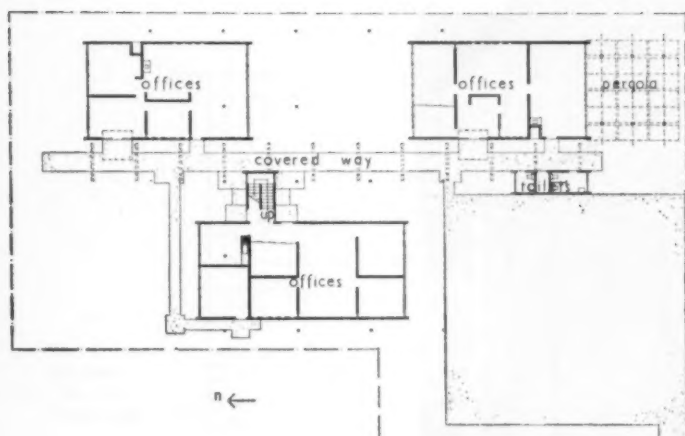
The building is a professional office building, which serves three independent firms: architectural offices (building owner); landscape architect; and city planning consultant. These offices co-operate on a large number of jobs; yet maintain their independent identity. This is physically expressed in separating each office block in an individual unit, divided by open courts, the landscaping of which is an expression of the tenant landscape architect's direction in design. A low arcade unifies all three buildings and the common toilet and storage room block, permitting inter-office circulation under shelter.

Over the entire complex and structurally separated from it spreads a vaulted 'space frame' consisting of an expanded metal which is so oriented as to afford 100 per cent cut-off from south sun and 87 per cent light from the north. The second floor room for draughtsmanship, which floats above the roof of the first floor unit and connected by only a glazed stairwell, is thus offered ideal light conditions.

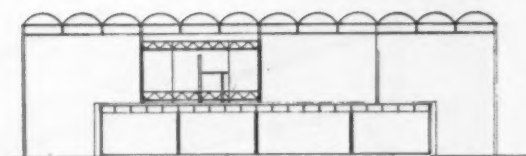


▲ SITE PLAN

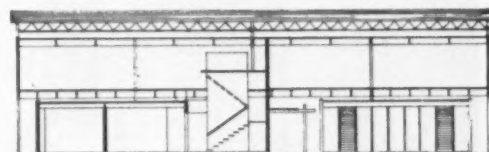




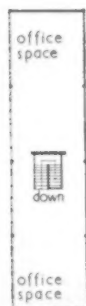
GROUND FLOOR PLAN ▲



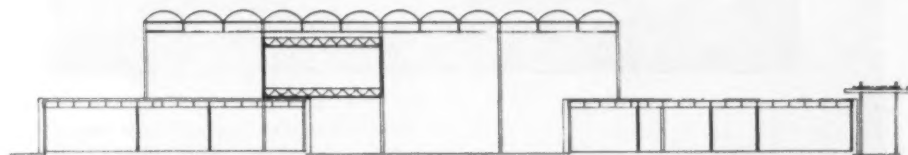
SECTION B.B. ▲



SECTION C.C. ▲

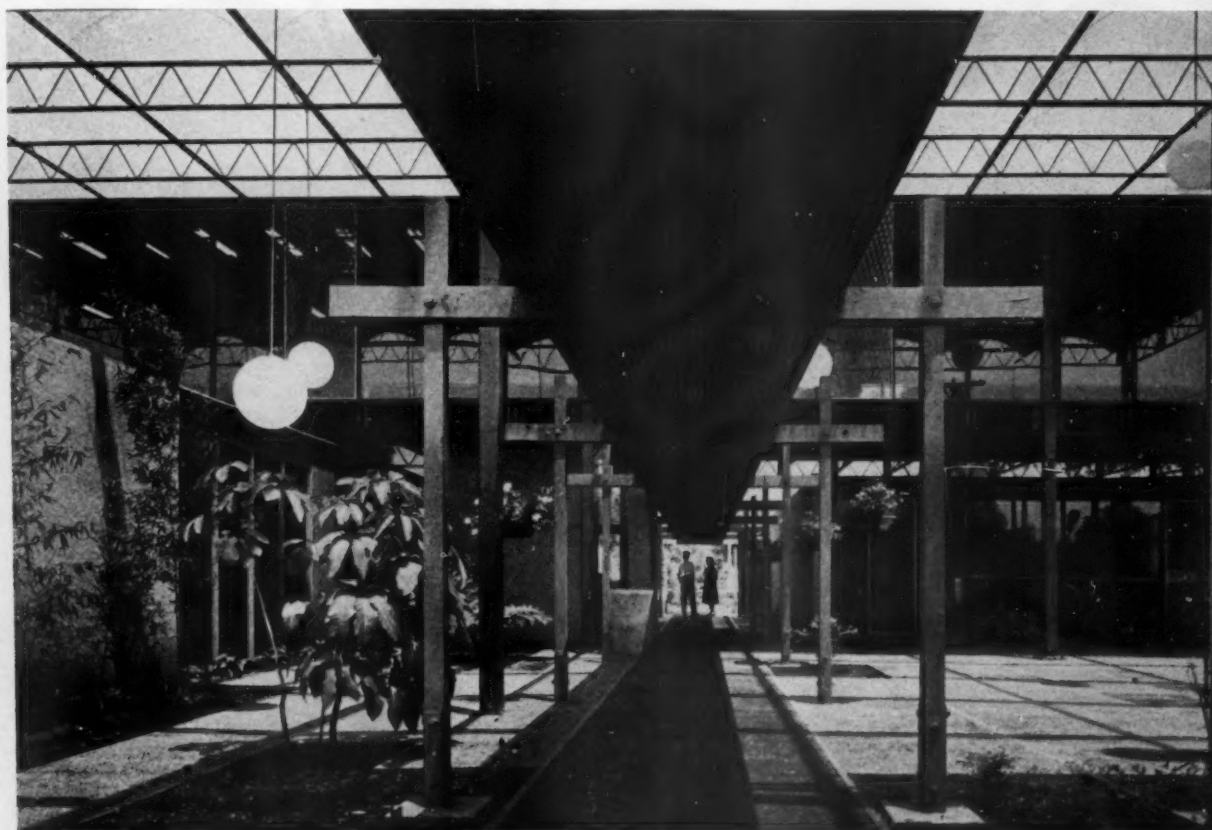


◀ FIRST FLOOR PLAN



SECTION A.A. ▲

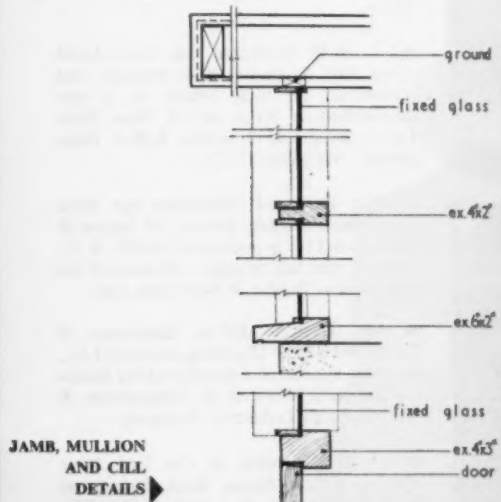
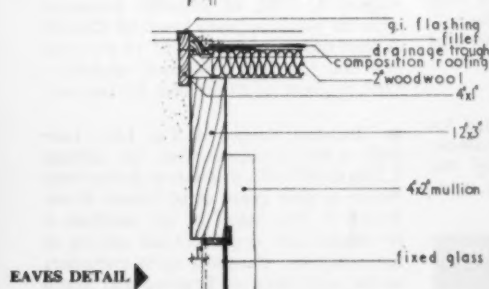
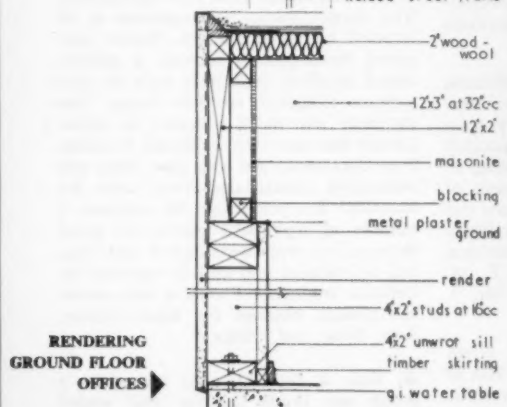
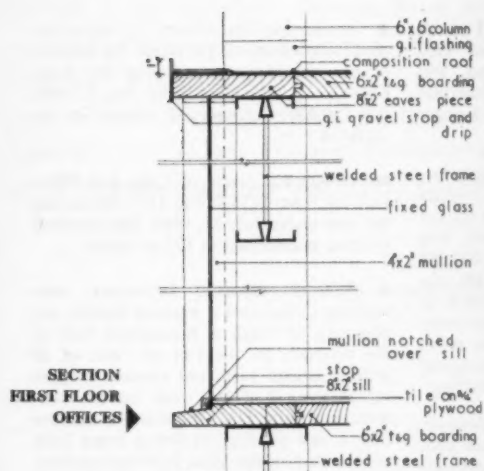
The central arcade links three buildings and provides circulation under cover



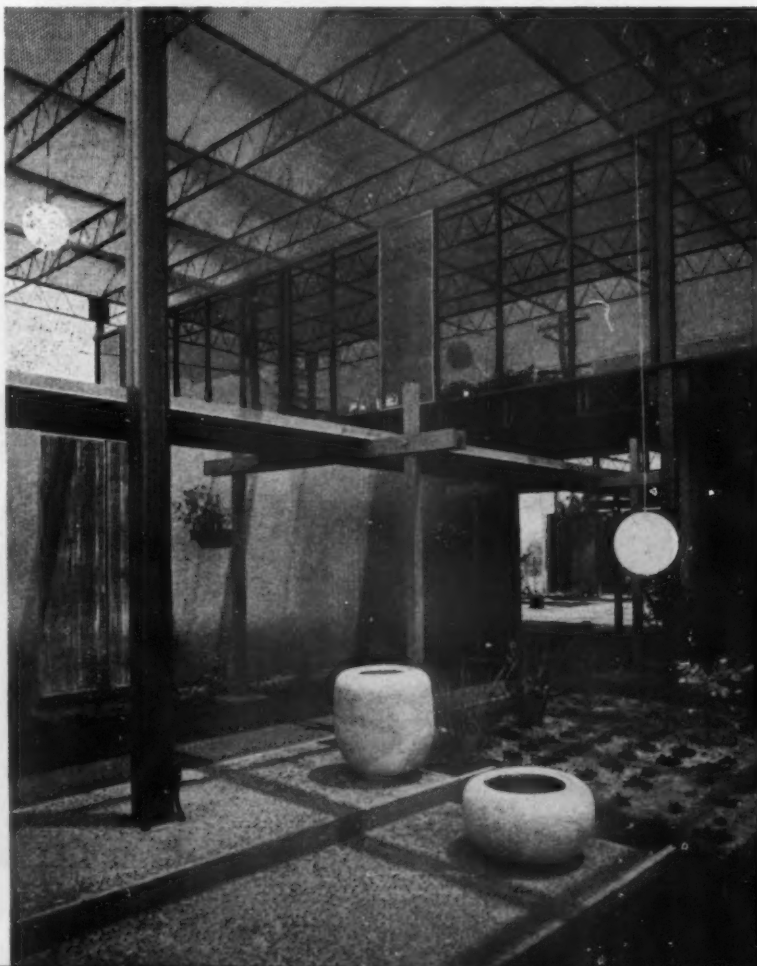


Above, one of the offices. Below, a vaulted space frame consisting of expanded metal, covers the whole office complex, providing a 100 per cent cut-off from south sun and 87 per cent light from the north





Each office is an individual unit divided by open courts.
Landscaping (see photos) is the work of one of the tenants



● BK Developments Ltd. and The Scottish Widows' Fund and Life Assurance Society have concluded a property development agreement. BK Developments Ltd. is a new company equally owned by Bovis Holdings Ltd. and Highland Engineering Ltd. with Mr. Harry Vincent, of Bovis Holdings Ltd., as chairman and Mr. P. M. Kaye, of Highland Engineering Ltd., as managing director. The constructional work will be carried out by companies of the B.H. Group and the completed properties will be owned by The Scottish Widows' Fund.

● A. V. Humphries Ltd. have opened new London showrooms for the display of their wide range of carpeting and floor coverings. These showrooms are situated at Farringdon House, Warwick Lane, London, E.C.4. There is a special Architects' showroom where a complete advisory service is available and, against a background of plain carpets in many colours, one can see samples of paint colour schemes in blending and contrasting shades specially selected from the Robbialac Colorizer range.

● The British Xylonite Group, comprising BX Plastics Ltd., Hallex, Cascelloid, Scintillex, Expanded Rubber Co. Ltd., Expanded Plastics Ltd. and Onazote Insulation Co. Ltd., has moved from 9 Conduit Street, London, W.1. The Group's new West End offices with showrooms for Cascelloid and Scintillex are located at 27 Blandford Street, London, W.1 (telephone: Welbeck 9211). The main Hallex showroom is situated at Highams Park, Chingford, London, E.4.

● Recent appointments within the Chamberlain Group of Companies include those of Mr. M. H. Briggs, OBE, and

Mr. K. R. Joiner as directors of Ford & Walton Ltd., the building and civil engineering company of the group. Mr. Briggs is also a director of Chamberlain Consolidated Ltd. and Sanders & Forster Ltd.

● H. C. Janes Ltd., joinery manufacturers of Luton, have declared an interim dividend of 15 per cent, less tax, in respect of the year ending March 31, 1961. The directors also propose to issue 200,000 ordinary shares of 5s each at 40s per share to their ordinary shareholders in the proportion of one new share for every five shares held. The object of this move is to provide additional permanent capital for the company's increasing activities.

● Founders Electric Ltd., of Bulawayo, have been appointed by Pyrotenax Ltd. to handle their mineral insulated copper-covered cable for the whole of Southern Rhodesia.

● Vokes Ltd., filtration and silencing engineers, has changed its name to Vokes Group Ltd. and a new subsidiary company, Vokes Ltd., has been incorporated to take over the business and trading of the previous Vokes Ltd. The board of Vokes Group Ltd. remains as before and the board of the new operating subsidiary consists of Sir Ian Stewart-Richardson, Bt., Mr. H. F. Osborne, Mr. C. E. M. Hardie, OBE, Mr. D. F. Ringe, Mr. J. Phillips and Mr. A. E. Queening.

● Serck Radiators Ltd. show a group profit for the year ended July 30, 1960, of £597,882, compared with the previous year's record result of £693,005. A final dividend of 7½ per cent has been proposed, making a total distribution of 12½ per cent for the year.

● Associated Fire Alarms Ltd. have conditionally agreed to purchase the capitals of the companies comprising the Auto Call Group with effect from July 1, 1960, for 190,000 Ordinary £1 shares in Associated.

● Group net profit of Lake and Elliot Ltd. fell from £174,977 to £117,385 during the year ended July 31, 1960. The dividend is being maintained at 12½ per cent.

● Bellrock Gypsum Industries, who recently introduced a gypsum plaster, are planning to reach a production rate of the product, by the end of 1961, of 30 million square yards per annum, a figure representing half the total current production of the UK. In order to achieve this, a new production line is being built at Staunton-in-the-Vale, Nottinghamshire. The normal output will continue to be handled by MID merchants. Future projected developments include a plaster-board partition unit built with its own gypsum fireproof erection frame. The company also holds a licence to manufacture the American wallboard Firestop, a product reinforced with glass fibres and containing unexfoliated Vermiculite for increased fire protection. In addition, a number of wallboard plants are being designed for worldwide export and these will be installed and initially operated by Bellrock engineers. Plants of this nature are already planned for South Africa, Italy, Spain and France.

● Hale & Hale (Tipton) Ltd. show a group net profit for the year ended August 4, 1960, of £19,680, compared with the previous year's result of £26,219. A final ordinary dividend of 15 per cent, less tax, has been proposed, making a total payment of 20 per cent for the year.

● Blundell, Spence & Co. Ltd. have built a new cellulose store for holding 1,250 gal of Vulflo Self Gloss Automobile Finish at their depot at 80 Feeder Road, Bristol 2. The object of this addition is to extend and improve their service to industrial and transport paint customers in the south-west of England and South Wales.

● T. & W. Farmiloe Ltd. have closed down their Rochester Row premises and transferred all their offices to a new administration block at 88 Nine Elms Lane, Battersea, London, S.W.8 (telephone: Macaulay 7121).

● Mr. Desmond Nicholson has been appointed managing director of Jenson & Nicholson Ltd. in succession to Mr. S. G. Barnett, who has become a director of the new Berger, Jenson & Nicholson Ltd.

● Mr. Harold McCue, chairman of Taylor Woodrow (Building Exports) Ltd., has been appointed a member of the Building Research Board of the Department of Scientific and Industrial Research.

● G. H. Downing & Co. Ltd. have opened a new facing brick factory at Brownhills, Staffs, at a cost of £150,000.

The main lighting of the new motor showrooms of Allens of Bristol is provided by 58 x 4ft sq modular areas of Harris & Sheldon's Paragrid Tile, each containing four, 4ft colour-matching tubes. In the rear of the showroom some of the Paragrid-Tile areas are below lantern lights, and here reflector tubes were used. Lamps were mounted 1ft above the Paragrid Tiles in all cases



MR. MADDOX IS READY TO TOTEM He is the Big White Chief of Central, and South Wales and the West Midlands. By telephone or smoke signal, you get in touch with him for cast iron rainwater, soil and drain goods in this area. He is also the one to contact for the Allied Advisory Service. Send him your drawings. He will see that you are informed as to what pipes and fittings would best suit your needs and will arrange supply through your merchant. Mr. Maddox (or one of our other eight pipemen, depending on where you operate) will be your personal contact, always. Swift as an arrow with orders, too. No delays. No ruffled tempers. Pipes of peace, in fact. For area 1 telephone Stockton 65291; for area 9 telephone Falkirk 2441; for all other areas telephone Wellington (Salop) 510



rainwater and soil goods division of **ALLIED IRONFOUNDERS**

KETLEY WELLINGTON SHROPSHIRE





This is a *Stelrad*

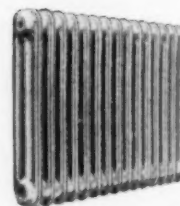
**the Radiator
that's made
in the size
you want,
and in the
shape your
client likes**



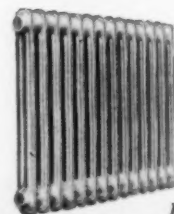
Double Wall



Angle-Wall



3-Column



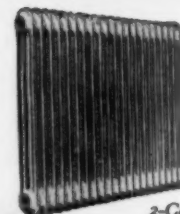
Easy Clean

Now who would have thought the Stelrad Steel Radiator had been with us for nigh on twenty-five years?

Why, you can probably remember people telling about it at the time.

***Stelrad* PATENTED PROCESS RADIATORS**

Some were doubters, holding forth about steel and how the only Radiator to use was one that was not only heavy to handle but ungainly to behold. But where is the Stelrad today? In buildings large and small throughout the length and breadth of the land, and in a range so wide there is not a single nook a Stelrad cannot heat.



2-Column



Window seat type

STEEL RADIATORS LIMITED

BRIDGE ROAD, SOUTHALL, MIDDLESEX • Telephone: SOUTHall 2603

● The first annual dinner organized by the Electrical Engineers (A.S.E.E.) Exhibition Ltd. was held at Grosvenor House, London, on October 13. Intended to publicize the 10th annual exhibition to be held at Earls Court next March, the occasion also brought together all sections of the electricity industry with guests from overseas representing 50 potential export customers. The principal speaker, Sir Eric Harrison, High Commissioner for Australia, made a hard-hitting speech cajoling British manufacturers for lack of interest in hydro-electric schemes in Australia worth millions of pounds, together with the familiar complaint about unfulfilled delivery dates (electrical equipment for the Snowey scheme was 18 months behind contract timing). One gained an impression that strong as Commonwealth ties remain, they will not always compensate for inefficiency in certain sections of British industry. Other speakers including F. Brown, deputy chairman of the Central Electricity Generating Board, R. F. Mathieson, chairman of the Exhibition company and W. I. Bird, chairman of the BEAMA Domestic Appliances board, shared a general atmosphere of confidence in a rapidly expanding industry.

● The Leyland & Birmingham Rubber Co. Ltd. show a net profit of £345,000 for the year ended June 30, 1960, after providing for taxation. A final dividend of 15 per cent has been approved.

● Following the recent merger of Hall Engineering (Holdings) and Perfecta Motor Equipment, Mr. P. C. Hall has been elected to the board and chairman of Perfecta, whilst Mr. H. Sutherst, Hall's financial director, has also joined the board. Mr. G. F. Challinor and Mr.

N. J. Stevenson, joint managing directors of Perfecta, have been appointed to the board of Hall Engineering.

● Mr. R. F. Jackson, general sales manager of Thomas Hedley & Co. Ltd., has been made a director of the company.

● The news and information service of Allied Ironfounders Ltd. is now being operated from Greenlys Public-Relations Ltd. at 1-19 Oxford Street, London, W.C.1 (telephonic enquiries to Barbara Parker or G. D. H. Linton at Chancery 7176).

● Erskine, Heap & Co. Ltd., of Lancashire Switchgear Works, Manchester, have closed their agency arrangements with S. T. Pemberton & Co. Ltd. by mutual consent. They have appointed Mr. P. H. Baggott, of 55 Cophall Road, Handsworth, Birmingham 21, as their own technical sales engineer in charge of sales activities for the Midlands area.

● Henry Hargreaves & Sons Ltd., of Bury, Lancs, manufacturers of air conditioning and general light engineering plant and equipment, have appointed Mr. F. Ratcliffe to succeed Mr. C. F. Morgan, on his retirement, as London office sales manager.

● Mr. Alan S. Gill has retired from the board of George Cohen Sons & Co. Ltd. and will practise as an industrial consultant.

● George Cohen Australia Scrap Co. Pty. Ltd. has been registered in Melbourne with a nominal capital of £A1,000,000. The new company is jointly owned by the George Cohen 600 Group of London and Tubemakers of Australia Ltd. Buying,

processing and selling of all kinds of metal scrap will be among the principal objects of the new company.

● Mr. William Frost, the longest serving member among the representatives of Austins of East Ham Ltd. and responsible to them for the Sussex area, has retired.

● Mr. A. R. B. Hore has been succeeded by Mr. Stanley Brown as secretary of the British Oil Burner Manufacturers Association. Mr. Hore, who is a deputy assistant secretary of the London Chamber of Commerce, is to undertake additional duties in that capacity.

● The General Electric Co. Ltd. has concluded a long-term agreement with Nippon Denkyoku Kabushiki Kaisha (Nippon Electrode Co.) covering the manufacture in Japan of special types of graphite developed by G.E.C. for use in nuclear plant.

● John Thompson Ltd., of Wolverhampton, have entered the domestic electrical appliance market by virtue of an agreement made with the Tappan Co., of Mansfield, Ohio, by which electric cooking units of the Tappan range will be produced at Wolverhampton and marketed in the name of Thompson-Tappan.

● Wall Paper Manufacturers Ltd. show a group net profit for the year ended June 30, 1960, of £2,724,640, compared with the previous year's result of £2,245,076. A final dividend of 17½ per cent has been proposed on their deferred stock, making a total distribution for the year of 25 per cent.

● Richard Costain Ltd. have declared an interim dividend of 6 per cent, less tax, to their ordinary shareholders in respect of the year ending December 31, 1960.

● Eastwoods Ltd. show a group net profit of £501,336 for the year ended March 31, 1960, compared with the previous year's result of £286,990. A final ordinary dividend of 12½ per cent has been proposed, making a total distribution of 17½ per cent for the year.

● Wellington Tube Holdings Ltd. show a net profit of £383,139 for the year ended June 30, 1960, compared with the previous year's result of £495,512. A dividend of 12½ per cent has been proposed, making a total distribution of 17½ per cent for the year.

● Mr. T. H. Thorneycroft has been elected to succeed the late Mr. H. Cowan-Douglas as chairman of the Harland Engineering Co. Ltd.

● The offices of the Acoustics Department of Armstrong Cork Co. Ltd. are now situated at 11a Carlisle Road, Colindale, London, N.W.9 (telephone: Colindale 9744).

● Burgot Alarms Ltd. of 26 Westbourne Grove, London, W.2, have acquired the Rely-a-Bell Burglar & Fire Alarm Co. Ltd.

The Rainham Timber Engineering Co. Ltd. supplied laminated arches for the assembly hall at the Convent of Our Lady of Good Counsel at Manchester. The arches, of European softwood glued with urea formaldehyde resin, are 29ft 9in overall, 11ft to eaves, and 20ft to apex. They are spaced at 11ft 9in centres, carry a roof of purlins, boarding, battens, felt and slates, and give lateral support to the 52ft long by 11ft 6in high window running the length of the hall. The ceiling is of acoustic insulation board



In this feature are reviewed new lines introduced to the building industry for the first time and additions or improvements made to the existing ones. Any advantages claimed on behalf of the products are taken from information given by the manufacturer

Adhesive for Foamed Plastics (A)

A universal adhesive and sealer has been produced for bonding expanded polystyrene panels to other building materials. Both the polystyrene section and the surface to which it is to be stuck should be primed with Polybond diluted with four parts of water. An adhesive mix, consisting of equal parts by volume of Polybond and ordinary cement, should then be prepared. Water should next be added, if necessary, to form a workable mass. The expanded polystyrene should then be 'spotted' with the adhesive mix and the panel fixed into place. Adhesion is stated to be immediate but the panel may be moved about for final positioning for a period of 10 min after placing, without loss of adhesion. Further, once the adhesive sets, the bond will be complete and the polystyrene cannot be moved. Polybond is on the approved list of the manufacturers of Flamingo Board.

Polybond Ltd., 130 Crawford Street,
Baker Street, London, W.1.

Welbeck 2349.

Readers' Information Service

Ref. A. 30/11/60.

★

Fireclay Drinking Fountain (B)

The Niger drinking fountain, made of Excelsior vitreous glazed fireclay, has several interesting features. The bowl is of special design so that the jet cannot become submerged and if the bowl outlet should become blocked, the flood-over will occur at a point at the back which is below the base of the jet. The jet is set at an angle so that water falling from the jet trajectory cannot fall back on to the jet after having been in contact with a user's mouth. A further feature of the Niger fountain is that it can be set as shown in our illustration or else rotated through 90 degrees with the valve still at the user's right hand. The fixing position can be decided on site. The fountain is supported on an iron bracket which locks to the waste and bowl of the fountain. The valve is of the non-concussive, self-closing type with $\frac{1}{2}$ in compression joint inlet for copper. The outlet is 1 in and a 1 in C.P. bottle trap is available.

Johnson Fireclay Co. Ltd., Cliffe Vale,
Stoke-on-Trent, Staffs.

Stoke-on-Trent 22173.

Readers' Information Service

Ref. B. 30/11/60.

★

Mural Texturide Designs

Five new designs have been added to the Mural Texturide range of vinyl-coated fabrics. These fabrics are used as wall coverings in such places as coffee bars, banks, offices, hotels, stores, aircraft and

ships (A & BN—New Products, October 30, 1957). These latest designs are:— (1) English Coach Grain—a leather cloth grain effect in nine colours; (2) Milan—a mottled hide effect in eight colourways; (3) Lustrette 2—a shimmering floral effect in eight colours, suitable for traditional decor; (4) Skerry Tweed—a bold style of tweed effect in five colours; (5) Italian Marble—an accurate simulation of the natural material in five colours. The range now contains 13 different designs and offers a choice from nearly 80 items in a range of both bold and pastel colours.

Arlington Plastics Development Ltd.,
Arlinghde Works,
Eastern Industrial Estate,
Harlow, Essex. Harlow 24611.
Readers' Information Service
Ref. C. 30/11/60.

★

Litter Bin (D)

This litter bin consists of a Ro-Plas glass fibre reinforced fire-resistant plastic receptacle supported on a simple tubular stand with a weighted base. The bin was awarded a diploma in the competition recently organized by the Council of Industrial Design in conjunction with the Ministry of Housing and Local Government and the Department of Health for Scotland. The bin was designed by Mr. G. J. Wyers of the company's Research and Development Department and is intended for use either in open spaces, or in office blocks.

Rubery Owen & Co. Ltd., P.O. Box 10,
Darlaston, Wednesbury, Staffs.

James Bridge 3131.

Readers' Information Service

Ref. D. 30/11/60.

★

New Refrigerator

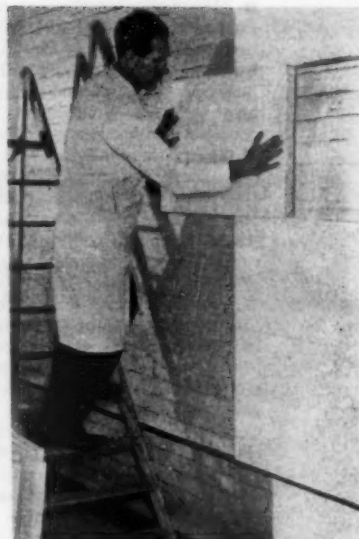
The ES.37 electric refrigerator is a new version of the 3.7 cu ft Iced Diamond which has been added to Hotpoint's range. Special features include door opening within its own width, no-slam latch, adjustable shelf, large freezer, and maximum internal storage space. The main difference between the new Standard version and the older Super model is that the Standard has no kick-strip, interior light, rollers, butter dish or salad bin and it is available only with right-hand hinged door. The new ES.37 is available in either white or cream cabinet with white polystyrene liner. Price: 53gn (including P. Tax).

A.E.I.—Hotpoint Ltd.,
33 Grosvenor Place, London, S.W.1.

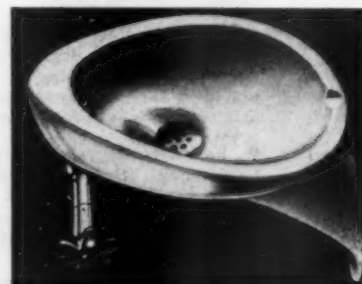
Belgravia 1234.

Readers' Information Service

Ref. E. 30/11/60.



Fixing foamed plastics panels with Polybond adhesive (A)



Niger fireclay drinking fountain (B)

Rubery Owen's new litter bin (D)





PHILIPS

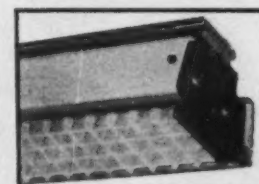
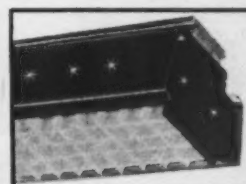
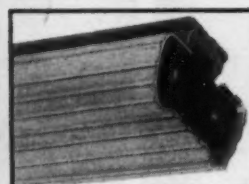
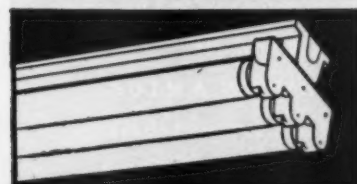
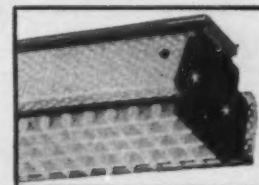
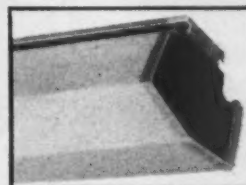
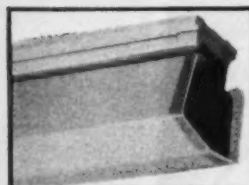
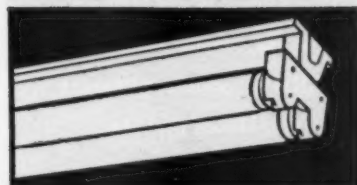
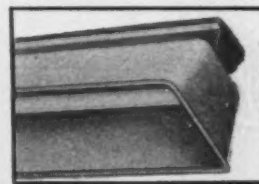
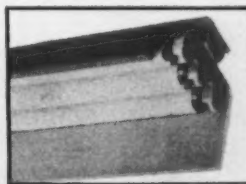
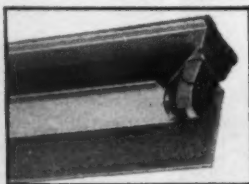
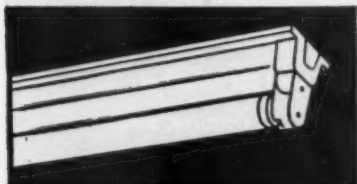
streamlite

is here!

The newest, slimmest lighting fittings for 1, 2 and 3 lamps 5ft. 80w (1 & 2 lamps 2ft. 20w, 4ft. 40w)—with a big range of reflector and diffuser attachments

Philips Streamlite – it's the newest thing in fluorescent lighting fittings. And it out-dates every other type of fitting on the market. For Philips Streamlite – so slim, so sleek, so stylish – has far more to offer than any other fluorescent fittings you can buy, including some advantages that are as unique as they are striking:

- Philips Streamlite gives you Switch and Switchless start in the popular sizes.
- There is a choice of one, two or three lamp fittings – all equipped with Philips even thinner Polyester ballasts.
- B.S. Box fixing and conduit entries at 24" centres. (B.S. 2467) 2ft. 20w. 17½" centres.
- It is extraordinarily reasonable in price.
- It is suitable for single and continuous mounting.
- Philips Spring Rotor lampholders with earth plungers for lamp end-caps—rapid fixing, automatic positioning.
- 10 amp. mains terminal block, and earth connection.
- Full length back plate with rigidly secured cast alloy ends providing earth continuity for end entry conduit.



SEND THIS COUPON FOR COMPLETE INFORMATION



To: Philips Electrical Ltd., Lamp and Lighting Group, Century House, Shaftesbury Avenue, London, W.C.2

Please send me the comprehensive leaflet giving full details of Philips 'Streamlite' fittings.

NAME

ADDRESS

SABN 3

PHILIPS LEAD THE WORLD IN LIGHTING

(LD3284)



Contemporary building with Asbestos-Cement

This new five storey block of flats at Poole, Dorset, is an excellent example of the use of asbestos-cement in modern building.

"POILITE" Asbestos-Cement Flat Building Sheets (Textured) 1.1/2" Fluted Pattern, treated with "TURNALL"

"COLOURGLAZE" Finish were used for external panels to balconies, also

"EVERITE" Asbestos-Cement Fluted Flower Boxes form an interesting central feature.

"EVERITE" Asbestos-Cement Rainwater Goods provide unobtrusive and efficient drainage for roof and balconies.

Borough Engineer:

J. R. BARRON, A.M.I.C.E.

Chief Asst. Architect (Housing):

Henry Shepherd, L.R.I.B.A.

Assistant: M. R. Briant

TURNERS ASBESTOS CEMENT CO. LTD.

A MEMBER OF THE TURNER & NEWALL ORGANISATION

**TRAFFORD PARK
MANCHESTER 17**

Telephone: TRAfford Park 2181
LONDON

Telephone: WATerloo 4712

And at Birmingham
Bristol, Cardiff
and Glasgow.

Anti-corrosive Coating (F)

Isokote is a new anti-corrosive bonded surface coating. Based on Isophthalic polyesters and specially woven fabric reinforcements of glass, Terylene or other suitable fibres, these coatings are applied in successive layers by spraying and other methods, until the required thickness is built up. Special applications of the product include the patching of leaking tanks, and linings for corroded or new vessels which arrest and prevent chemical attack. Isokote can be applied *in situ*, and in addition to the lining of tanks and hoppers carrying water, sand, coal and effluent, the makers claim that it is also suitable for application to roofs, valleys and gutters. A booklet describing the varying applications of the product will shortly be available on request.

*Extrudex Ltd.,
Highams Park, London, E.4.
Larkwood 2345.
Readers' Information Service
Ref. F. 30/11/60.*

★

Pneumatic Concrete Sprayer (G)

The Lancy pneumatic concrete transporter and sprayer is a smaller version of the C.P.O.A.C. Placy pneumatic concrete placer. It is made in capacities of 4½ and 6½ cu ft, will handle small aggregate mix, and spray concrete, cement and mortar, as well as transporting them. The equipment is fitted with flexible plastic piping for working in confined spaces and for tunnel lining. Depths of surface can be applied from a thin covering up to many inches thickness. One machine can be adapted to feed several plasterers working by hand or, alternatively, plaster can be sprayed onto the wall or ceiling through the nozzle of the Lancy. There are no working parts to wear out or maintain and it is claimed that, given common-sense handling, a Lancy unit will last for at least 20 years.

*Machinery (Continental) Ltd.,
42 Park Street, London, W.1.
Hyde Park 1401.
Readers' Information Service
Ref. G. 30/11/60.*

★

Warm Air Heating Unit (H)

The Housewarmer warm air heating unit has been designed for use with small-bore heating systems. The unit consists of a special heater battery together with a fan which is housed in a metal case. The Housewarmer is available in two sizes with respective outputs of 24,000 and 12,000 B.Th.U./hr. Both models have a two-way electric switch so that they can operate at two outputs and they may also be thermostatically controlled. Colour finishes are black and white with the front panel beneath the outlet grille in any one of six pastel shades. In addition, the heaters may be supplied in mahogany, walnut or oak imitation wood finishes. The top surface of the heater is protected against damage by a sheet of plate glass beneath

which a sheet of wallpaper, Formica, Fablon or other material may be laid for decorative purposes. Dimensions: Both models are 30in high and 10in wide, with respective widths of 43in and 25in. Prices (irrespective of finish): £75 and £55.

*Janitor Boilers Ltd.,
Vale Road, Camberley, Surrey.
Readers' Information Service
Ref. H. 30/11/60.*

★

Plastics Bathroom Cabinet (I)

The new Ekco bathroom cabinet is moulded in one piece in white polystyrene and has double sliding mirror glass doors. Rectangular in shape, the cabinet measures 20½in wide by 12½in high by 5½in deep, and will fit into a corner or small recess. There is an adjustable plate-glass shelf and key-hole slots are provided in the back to simplify wall fixing. Price: 3 gn.

*Ekco Plastics Ltd.,
Southend-on-Sea, Essex.
Southend 49491.
Readers' Information Service
Ref. I. 30/11/60.*

★

Additional Nightstor Heater

A 3kW model has been added to the Nightstor range of thermal block-storage heaters. The newcomer is intended for inclusion in large space-heating installations where it will reduce capital and installation costs by reason of its higher loading. The heater (No. HO 6330) has a false back so that it can be placed right against the wall. Overall measurements: 31½in high, 39½in wide and 13½in deep. Price: £22 5s. All Nightstor heaters use electricity at night, when low cost off-peak tariffs are available, and are stated to comply fully with EDA recommendations for such units. Fireclay blocks, with a high capacity for absorbing and storing heat, are mounted around element panels and assembled in a lagged sheet-steel case which has a light hammered-bronze finish.

*General Electric Co. Ltd.,
Magnet House, Kingsway,
London, W.C.2. Temple Bar 8000.
Readers' Information Service
Ref. J. 30/11/60.*

★

New Flooring Tiles

The Tondur Steelite range of flooring tiles and fittings has been extended to include the following new colours, plain buff, buff-speckle and buff-mingle. The sizes to which these apply are 6in by 6in by ½in and 6in by 3in by ½in tiles. The complete colour range now consists of red and heather brown, in addition to the new colours.

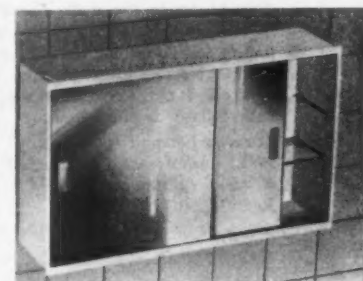
*National Star Group Sales Ltd.,
Ponthir, Newport, Mon.
Caerleon 501.
Readers' Information Service
Ref. K. 30/11/60.*



The application of Isokote surface coating (F)



Lancy pneumatic concrete sprayer (G)



*Ekco bathroom cabinet (I)
Housewarmer heating unit (H)*



Heavy-duty Road Ripper (L)

The SS 80 road ripper is a powerful, all steel machine for breaking up heavy dense aggregate. It is claimed to be capable of withstanding the roughest usage whilst requiring little upkeep. Either a spring or latch type retainer can be supplied. There is a built-in lubricator of new design which meters the correct amount of oil and gives shift-long lubrication with a single filling. The SS 80 can be quickly adapted for pile driving by substituting a special head, with side plates and in which a driver pad is fitted, in place of the normal front head. When so converted, the machine can drive circular wood piling up to 6in dia, wood sheet piling up to 3in thick and most forms of steel piling.

Holman Bros. Ltd.,
Camborne, Cornwall.
Camborne 2275.

Readers' Information Service
Ref. L. 30/11/60.

★

Plastering Machine (M)

This company showed the German Putzknecht plastering machine at the Public Works and Municipal Services Exhibition, this being its first showing in Britain. The machine is claimed to be capable of conveying plaster, mortar and similar rendering materials to a height of 165ft at a distance of 450ft from the machine. The rendering can either be stored conveniently for the plasterers or pumped directly on to the wall. The Putzknecht is electrically operated and is a completely self-contained machine with sieve, pump, air compressor and automatic controls. It can also be supplied complete with mixer, as illustrated.

Cornelly Equipment Co. Ltd.,
39 Victoria Street, London, S.W.1.
Readers' Information Service
Ref. M. 30/11/60.

★

Wash-down Closet (N)

A wash-down version of the Standard Kingston vitreous china closet has been introduced to supplement the existing double-trap siphonic type. It is available with either P or S trap and is identical in external appearance to the siphonic closet. The wash-down closet may be obtained in white for £16 5s 9d or in any of the five Standard colours for £21 0s 9d.

Ideal Boilers & Radiators Ltd.,
Ideal House, Great Marlborough
Street, London, W.1.
Gerrard 8686.
Readers' Information Service
Ref. N. 30/11/60.

★

Self-propelled Mobile Lifter

The Mobiliftor is a self-propelled unit capable of hoisting a man to a height of 25ft in a few seconds. With its help, out-of-the-way spots are reached quickly, cheaply and safely and it will, to a certain extent, do away with the need for ladders and scaffolding. It is claimed that one

unskilled man can, on his own, perform jobs in complete security which normally need two men. The operator can control climb and descent from the working platform by means of a lever which controls the hoisting mechanism (an air compressor driven by a single-cylinder petrol engine). Forward, backward and turning movement in any desired position are also within the scope of the machine. The Mobiliftor can be towed over long distances by another vehicle but it will also move under its own power. Typical applications appear to be the erecting of telephone or electrical power lines, sign painting, bill posting, inspection and maintenance in shipyards, dry docks, aircraft factories and hangars, building and construction work, and agriculture.

The Thames Packaging Equipment Co.,
28 City Road, London, E.C.1.
Monarch 7387.
Readers' Information Service
Ref. O. 30/11/60.

★

New Tile Colours

Three additions have been made to the range of Windmill tiles. The two mingled tiles in red and buff have hitherto only been available in the vitreous or semi-vitreous floor tile range where they are defined generally as speckled or porphyric tiles. A quarry tile has now, however, been developed which has the appearance of a speckled body. This has made it possible to produce 'floor tile' colours at quarry tile prices so that a neutral or slightly textured floor can be provided at a specific saving in cost. The new plain buff tile is an extremely hard tile with pale yellow body. It is claimed to be resistant to wear and abrasion and can be used in industrial installations such as dairies, etc. Production is now constant with a comprehensive range of fittings available in addition to plain tiles. In addition, 'Windmill' quarry tiles are now available in red, brown fleck, red-mingle, buff-mingle and plain buff. Four new textured quarry tiles have been introduced with slip-resistant surfaces designed particularly for industrial use.

Allied Brick & Tile Works Ltd.,
6/7 Queen Street, London, E.C.4.
City 2725.
Readers' Information Service
Ref. P. 30/11/60.

★

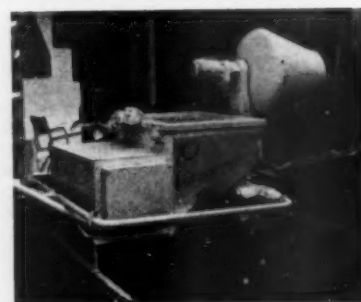
New Formica Patterns

Ten additions have been made to the growing number of Formica decorative laminated plastic patterns and colours. One of these, Shell Pink matt (21186), is to the Softglow range. The others, all matt, are in the new Tweed pattern:—Zango (54161), Wild Rose (54184), Devon Cream (54287), Avocado (54541), Peppermint (54685), Jasper Blue (54774), Opal (54785), Slate (54861) and Platinum (54877).

Formica Ltd.,
De La Rue House, 84/86 Regent Street,
London, W.1.
Regent 8020.
Readers' Information Service
Ref. Q. 30/11/60.



The SS 80 heavy-duty road ripper (L)



Putzknecht plastering machine with mixer (M)

The Kingston wash-down vitreous china closet (N)



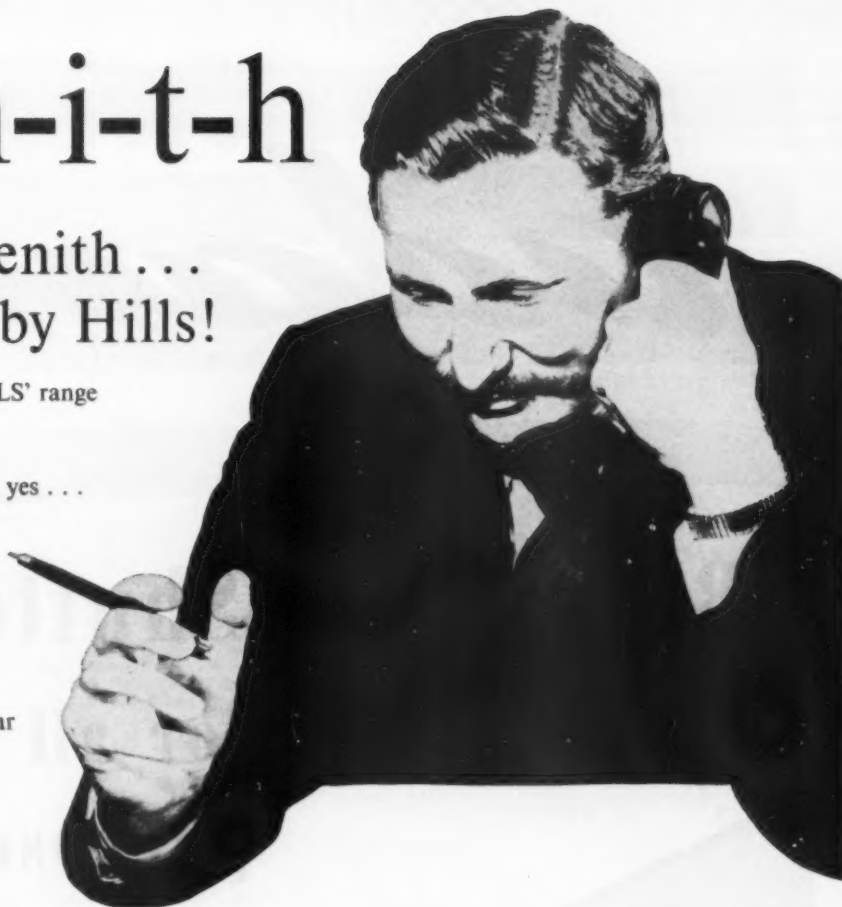
Z-e-n-i-t-h

... yes, Zenith ...
by Hills!

... a new addition to HILLS' range
... primarily for housing
... with Placarol Core ... yes ...

What's the difference?

The choice of Makore,
or Heavy Sapele in sliced
veneer facing or
European Oak ... for Clear
Finishing, naturally.



'Hills Zenith flush doors'

PRINCIPAL FEATURES:

Facing Veneers on Plywood—sliced Makore, Heavy Sapele (Candollei) or Oak.
Matching Hardwood Inserted Strip, a definite advance on traditional lippings.
Placarol Core, ensuring freedom from undulation of the facings.
Lock Block. Extra large to allow maximum latitude in relation to size and position of lock.



SSS* SUPER SATIN SURFACE

Every Zenith Door is Super-Microsealed before leaving the factory. Its "Super Satin Surface" is the ideal base for Clear Finish—an application of wax, liquid polish, or varnish is sufficient to ensure a superior result.

* SSS (SUPER SATIN SURFACE) IS THE PROPERTY OF GENERAL PLYWOOD CORPORATION U.S.A., SOLE LICENSEES IN THE U.K. F. HILLS & SONS LTD.

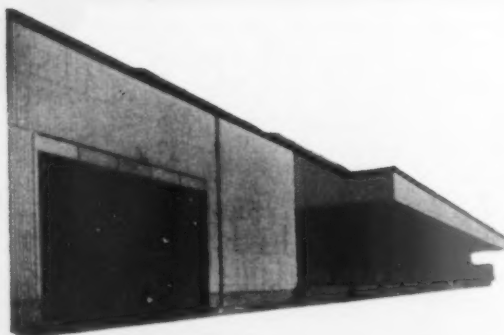
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Norton Road, Stockton-on-Tees. Telephone 67141
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Blinds and Shutters

for all
purposes



BLINDS :

Including Shop Blinds, Canopy Blinds, and Blackout Blinds.

SHUTTERS :

Precision built by expert craftsmen and tailor-made for every job—in Steel, Aluminium, Soft and Hardwood, including Hand operated by longarm—Hand operated by chain and gearing or motorised—Fire shutters to L.C.C. regulations.

We are accustomed to working with Architects, Shopfitters and Building Contractors at home and overseas and if required can supply full-scale working drawings and fitting detail.

An efficient service in design, fixing and maintenance.



**ADAM & LANE
& NEEVE LTD.**

Phone : ADVance 2345 (6 lines)

FALCON WORKS, COPPERFIELD ROAD, MILE END, LONDON, E.3

market prices (London)

These prices apply to material purchased in the quantities named or otherwise as might be expected for a new building of moderate size. They include delivery and are the material basis used in the build-up of 'Measured Rates' and subject to the conditions heading that schedule. Prices are under careful constant-review but should be confirmed.

AGGREGATES AND SAND

1½in—all in—ballast	27/-	Yard cube
¾in do. do.	27/6	delivered
¾in screened shingle	25/-	(in five-yard
¾in do. do.	26/3	loads or
¾in granite chippings	49/-	more)
Sharp washed sand	27/6	
Pit sand	24/6	
Building sand	24/-	
Broken brick	21/-	
1½in shingle	22/6	
Cartage of muck	10/-	

BUILDING MATERIALS AS DESCRIBED, CENTRAL LONDON

CEMENTS packed in paper bags	Per ton
Portland in 6ton lots	110/-
Do., from 1ton to 5ton 19cwt do.	122/-
Do., Rapid hardening (6ton lots)	120/6
Do., (but 1ton to 5ton 19cwt)	132/6
Cement 'Aquacrete' (do.)	154/6
Do., '417' or 'Polar' (do.)	154/6
Do., 'White' 1ton (lots)	275/6

LIME—	134/6 (1ton loads) deliv'd
Hydrated .. including	132/- (2/3 do.) do.
White .. Bags	122/- (4/5 do.) do.
	120/- (6 do.) do.

PLASTER—

Keenes, coarse, pink	239/6 ton
Do. do. white	244/9 do.
Sirapite, do.	179/9 do.
Do. finish	187/6 do.
Hardwall, do.	179/9 do.
Plaster, coarse, pink	168/3 do.
Do. do. white	177/9 do.
¾in Gypsum Plaster Lath ex works (600sq yd)	2/3½sq yd.
¾in Do. do Wallboard do.	2/6½ do.
¾in Jute scrim (100yd roll)	10/10 each
Cow hair (under 3cwt)	62/3 ¼cwt

FIRECLAY—

In non-returnable bags (1ton lots)	217/3 ton delivered
Fire cement	11/3 14lb

BRICKS

BACKING BRICKS (in truck loads)—	
Flettons	122/- per 1,000 delivered
Do. Keyed	124/- do.
Do. bullnose	164/- do.
Blue wirecuts (Net)	568/- do.
White	221/- do.
Southwater engineering (Class A)	400/6 do.
Firebricks—2½in	625/- do.
Do. —3in	750/- do.

STOCK BRICKS—

Mild stocks	205/- per 1,000 at Works
Second, do.	284/- do.
First, do.	320/- do.
Add for delivery—approx. 55/- per 1,000 in lorry loads.	

FACINGS (ex truck or lorry)—

Rustics	162/- per 1,000 delivered
White	220/- do.
Blue pressed, 2½in (Net)	641/- do.
Do. bullnose	660/- do.
Reds (Multi sand faced)	360/- do.
White glazed stretchers	1792/- do.
Do. headers	1760/- do.
Do. bullnose	2240/- do.
Do. double stretchers	2380/- do.
Do. double headers	2170/- do.
Breeze fixing bricks	30/6 per 100
Fire tile and lumps	34/- ft cube
Wall ties—8in by ½in by ½in, galvanized	77/3 per cwt
Cement mortar (1 : 3) hand-made	94/- yd cube

BRICKLAYERS' SUNDRIES—

AIR BRICKS	9 by 3in	9 by 6in	9 by 9in	12 by 9in
Iron .. each	2/10	4/7	6/10	9/2
Galvanized do. do.	4/10	8/-	11/11	14/6
Terra Cotta do.	1/2	2/4	5/8	11/2
Chimney pots, Terra Cotta (10 to 25) do.	9/4	16/3	37/3	64/6

PARTITIONS—

18in by 9in Blocks keyed for plastering				
Per yd super in 6ton lots	2in	2½in	3in	
In solid clinker including any half blocks	3/9	4/4	5/3	
In cellular clinker blocks	3/11	4/7	5/3	
In hollow clay blocks	—	4/6	5/7	

Clinker blocks in small quantity .. 6/5 7/9 9/1
Intermediate quantities in all types may be had at intermediate prices.
Smooth in lieu of keyed faces extra cost per side 3d per yd super

SINKS—

Fireclay white glazed in and out—standard quality	24 by 18in	30 by 18in	30 by 20in
London pattern, no overflow, 6in deep	70/6	98/-	118/9
Belfast, plain edge, 10in deep	89/6	156/6	190/-

FLUE, LININGS, PLAIN, CIRCULAR (FIRECLAY)—(UNDER 10)

	Foot lineal Straight	Each Bends
9in diameter	5/-	15/-
10in do.	6/1	18/3
12in do.	11/9	35/3
9in diameter, beaded end, 12in high		6/9

FLUE PIPES AND FITTINGS—

	4in	5in	6in
Heavy asbestos type, 6ft length	18/6	25/6	32/6
Do. 3ft length	9/3	12/9	16/3
Do. bends	7/2	9/-	10/8
Light asbestos type, 6ft length	16/-	20/-	25/6
Do. 3ft length	8/-	10/-	12/9
Bends	5/7	7/1	8/8
Baffler	15/5	18/4	19/4

DRAINAGE GOODS

GLAZED STONEWARE STANDARD LIST (NOV., 1956)

	4in	6in	9in
ORDINARY TYPE—Each			
Pipes in 2ft lengths	3/4	5/-	9/-
Bends	5/-	7/6	20/3
Junctions (4in on 4in, 6in on 6in, 9in on 9in)	8/4	12/6	27/-
Gullies with 4in outlets	12/6	13/9	22/6
4in horizontal inlets	4/-	4/-	4/-
4in vertical do.	6/-	6/-	6/-
Black iron grids	1/6	2/10	5/6

Adjustment to Current Cost

	2ton lots or more	Less than 2ton lots
2in to 9in diameter 'Best' pipes and fittings. Percentages to add	100 pieces or more + 10%	Under 100 pieces + 15%
Further percentages to be independently added in respect of: British Standard pipes, etc., 10. 'Best' Tested pipes, 3½. British Standard Tested, 4½.		

IRON DRAINAGE GOODS—

	4in	6in
Each		
Cast iron pipes, 9ft long	99/9	146/-
Do. 6ft do.	68/-	109/9
Do. 4ft do.	54/6	82/3
Do. 2ft do.	33/3	49/9
Short bend	22/3	59/-
Junction	39/3	94/3

DRAINAGE GOODS—Continued

GULLEY PARTS—		4in	6in	
Traps, high level, invert	32/6	93/2	each	
Inlet, bellmouth pattern	18/3	36/3	do.	
Do. with one vertical branch ..	31/7	59/5	do.	
Do. with two do.	85/8	124/8	do.	
Extra for sealed cover	11/-	14/1	do.	

RAINWATER SHOES—

	4in	6in	
With vertical inlet and rebated top ..	45/-	90/-	each
Extension piece	19/9	23/9	do.
Flat loose coated grating	4/8	4/8	do.
Loose solid coated cover	6/3	6/3	do.

MANHOLE CHANNELS, WHITE GLAZED—

Each	4in	6in	9in
Straight, 2ft long	19/2	28/1	47/2
Taper, do.	31/11	31/11	48/5
Bends, main, half section	37/-	53/7	88/-
Do., branch, do.	22/11	31/11	—
Do., do. three quarters, do. ..	31/11	51/-	—
Junctions, single	30/7	53/7	—
Do., double	42/1	72/8	—

BROWN GLAZED CHANNELS—

Based on standard list (less than 100 pieces)			
	4in	6in	9in
Half-round main channel (2ft long) ..	2/6	3/9	7/-
Extra for stop ends	2/6	3/9	6/9
Extra for outlets	5/-	7/6	—
Channel bends with splayed ends ..	7/6	11/3	—
Three-quarter section do.	10/-	15/-	—

MANHOLE COVERS—

		Black	
24 by 18in foot traffic .. ..	..	31/9	each
Do. Strong do. .. ..	..	58/3	do.
Do. Light car traffic .. ..	..	102/-	do.
Do. Road traffic .. ..	..	130/-	do.

SUNDRIES—

		Galvanized	
Manhole steps (for 9in)	9/9	each	
4in Mica valve fresh air inlets ..	16/-	do.	
Plumber's hemp	9/-	per lb	
Gaskin, caulking	1/11	do.	
Canvas backed hair felt, 4in wide ..	9d	per ft run	

ROOFING MATERIALS**WELSH SLATES (delivered)—**

Sizes in inches	Full Loads	Quantity	
	per 1,000	500 to 999	1 to 49
22 by 11	2260/-	277/3	40/9
20 by 10	2070/-	251/6	37/-
18 by 10	1420/-	172/3	25/3
16 by 10	1120/-	133/3	19/9
14 by 9 Damp Course	668/-	75/9	11/3
14 by 4½	328/-	33/3	4/9

TILES (Brosley and Staffordshire)—

	per 1,000	per 100
10½in by 6½in Machine made, 6ton lots	302/6	39/9
Do., hand made, sand faced (Berks red)	327/-	47/3
Hips, valleys and angles	36/3	per dozen
Plain concrete tiles	per 1,000	per 100
	210/6	25/6

Sheeting asbestos corrugated, 6in pitch ..	8/3½	yd super
4½in by 16 gauge, drive screws (galvanized) ..	18/3	gross
7½in by ½ hook bolts and nuts (do.) ..	65/6	do.
Washers, round, flat galvanized ..	4/10	do.
Do. do. bituminous	2/-	do.

ROOFING FELT—

Sanded bitumen felt (44lb)	1/2	yd super
Do., but 60lb in weight	1/10	do.
Inodorous felt, best quality	2/11	do.
Do., second quality	2/3	do.
Underlining	1/8	do.
Sheathing	1/8	do.
Galvanized felting nails	2/4	lb

THERMAL INSULATION—

½in Insulating Gypsum Baseboard (600sq yd) ..	2/9	sq yd
½in Do. Do. Lath do.	2/9	do.
½in Do. Do. Wallboard do.	3/-	do.
½in Asbestos (Fully-compressed) Sheet	8/4	do.
½in Insulating Cork Slabs	7/6	do.
Silicate Cotton (2ton lots)	2/6	ft cube

STONE

Free on rail London
 Monks Park 10/3 St. Aldhelm 11/6 average in blocks of 17ft cu
 Portland brown Whitbed 9/10 average in blocks of 25ft cu
 Douling 10/10 Beer 10/6

TIMBER

Softwood—sawn—random lengths.			
	Per standard	Per cubic ft	
Carcassing quality	£100	12/2	
Joinery quality	£130 and up	15/9½	
Plain edged unsorted flooring ..	½in 11in	1½in 1½in	
per square	90/- 110/-	138/- 165/-	
T. and G. flooring per square ..	— 120/-	150/- 180/-	
½in Hardboard 4/1 sq yd.			
½in Do. 6/6 sq yd.			
Larger quantities cost less.			

SUNDRIES—

	Dia.	3in	6in	9in
Black hexagon	½in	11d	1/3	1/6
bolts, nuts and washers, Each ..	½in	1/4	1/9	2/2
Sashline, hemp, good quality ..	½in	1/10	2/5	3/1
Per yd Run		No. 6 10d	No. 8 1/1½	No. 10 1/5
Floor brads				84/3 per cwt
Cut Clasp Nails				85/6 per cwt
Steel ordinary screws ..	1in No. 8 3/8	3in No. 8	6/3	per gross
Brass, do.	Do. 10/2	Do.	17/11	

HARDWOOD. Normal joinery quality.

		Per ft cube
Mahogany, African Square edge ..		30/-
do. Honduras		66/-
Teak, Burma and Siam		78/-
Walnut, Australian		84/-
Oak, English	Sawn Logs ..	42/-
do. Yugoslavian		47/6
Walnut, African		25/-

BUILDING BOARDS

Description	Rate	Unit
16mm Birch blockboard	208/-	Per 100ft
22mm do. do.	257/-	
Austrian Mahogany faced one side, blockboard 18mm thick ..	367/-	super,
Austrian figured Oak faced one side, blockboard 19mm thick ..	414/-	but
Beech, 6mm plywood	109/-	from one board
Birch, do. do.	100/-	
Do. 9mm do.	142/-	up to
Teak faced one side, plywood 6mm thick	397/-	a
Austrian figured Oak one side, 6mm ..	222/-	
Australian do. Walnut do. do. ½in	296/-	bundle

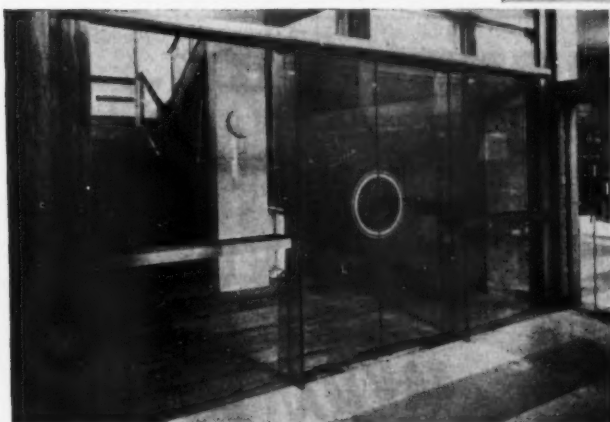
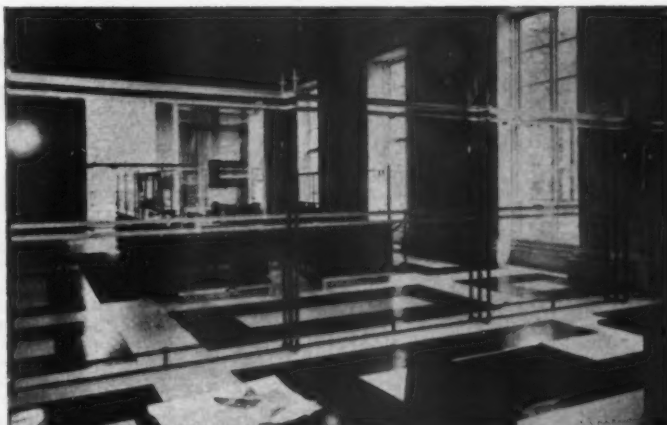
IRONMONGERY

	2in	3in	4in	5in	6in
Cast iron Butts, per pair ..	1/5	2/5½	3/9	7/1	10/2
Hinges, spring, single action regulating, japanned, each ..	—	8/3	12/9	16/9	22/3
Do. but double action spring only, each ..	—	17/6	22/3	21/-	35/9
Do. blank only, each ..	—	10/3	14/-	28/-	24/3

THE
new
**CENTRAL LIBRARY
Kensington, W.8.**

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O.B.E., R.A., L.L.D.

- ARMOUR PLATE GLASS DOORS.
- BALUSTRADING in silver bronze with ebonised mahogany Handrails.
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- WROUGHT IRON SCREENS, glazed and finished in blue and gold.
- BRONZE SHOWCASES and NAME PLATES.



by
SAGE

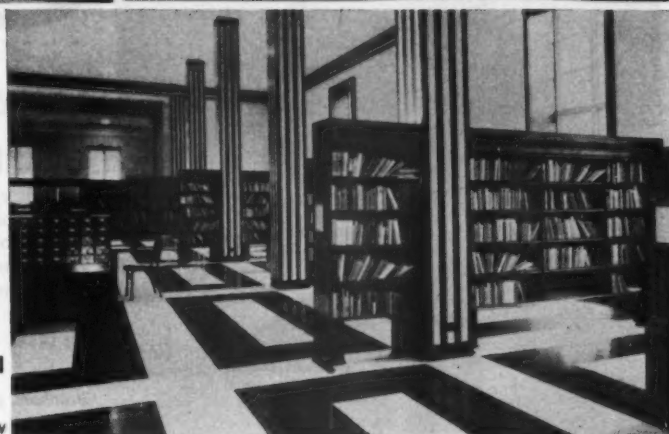
FREDK. SAGE & CO. LTD.

Craftsmen in Metal and Wood

HOLBORN HALL, GRAY'S INN ROAD, LONDON, W.C.1

TELEPHONE: HOLBORN 7822

AND AT 136 RENFIELD STREET, GLASGOW





BROUGHTON MOOR SLATES & STONE

are Nature's own supreme protection for the home of man against the vagaries of time and weather. Quarried from the ruggedly beautiful Westmorland Mountains near Conistone—the land that Ruskin knew and immortalised—these famous slates and stone are renowned for their extreme durability and the colourful picturesqueness of their Light Sea Green, Olive Green and Mixed hues.

SPECIFICATION. The roof to be covered with Broughton Moor Light Sea Green Best Quality (coarse grained) Westmorland Slates, to be obtained from the Broughton Moor Green Slate Quarries, Ltd., Conistone, The Lake District, Lancs., in random sizes about 18" to 9" long, proportionate and random widths, laid to a 3" lap in regularly diminishing courses from eaves to ridge. Each slate to be securely

fixed by two stout copper nails, and wide slates are to be used on the hips and verges. **Alternatives:** Seconds, Thirds, Special Peggies; Olive Green and Mixed Shades. **Ridging:** "Bromoor" purpose-made of crushed and moulded slate from the same veins is recommended.

TECHNICAL INFORMATION CONCERNING BROUGHTON MOOR WESTMORLAND GREEN SLATES

QUALITY	LENGTH (Random widths)	COMPUTED COVER in sq. yds. per ton (3" lap)	APPROX. WEIGHT Per square (3" lap)—cwt.
BESTS	from 18" to 9"	24	9
SECONDS	from 18" to 9"	20	10½
THIRDS	from 18" to 12"	18	12
SPECIAL PEGGIES	from 15" to 7"	22	9½
SECOND PEGGIES	from 10" to 7"	20	11

Samples and prices gladly sent. Immediate Delivery.

BROUGHTON MOOR LIGHT SEA GREEN AND OLIVE GREEN STONE remains sound for centuries and is eminently suitable for external and internal Facings, Foundation Stones, Paving and Flooring, Steps, Cills, Shop Fronts, Surrounds, Pilasters, Fireplaces and all architectural work.

Ask for these Technical Pamphlets:

1. Floorings.
2. Facings.
3. Coping.
4. Cills.
5. Riven Face Slabs.

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Conistone, Lancashire

Telegrams: Cann, Conistone

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BATLEY
Suparise
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UP & OVER DOOR GEAR

because they know

that Suparise is exceptionally robust, reliable and easy to fit. Available for new installations, with a choice of Aluminium Alloy or selected Timber Doors; or for converting existing hinged doors to "Up and Over" Doors. PRICE £11.10.0. (Gear only).

Alternatively complete Batley Up and Over Doors can be supplied in ribbed Aluminium Alloy (£20) or exterior grade Mahogany Ply (£19), or Roller Shutter doors in selected timber laths.

Generous Trade Terms available

Brochure from:-

ERNEST BATLEY LTD.

96g, Colledge Road, Holbrooks, Coventry 89245

IRONMONGERY—Continued

	12in	18in	24in	30in	36in
Tee hinges (japanned) per pair ..	2/-	3/10	—	—	—
Do., but stronger, per pair ..	3/4	6/1	8/3	—	—
Hook and Ride hinges, per pair ..	—	—	20/5	27/8	33/11
BOLTS—each—	3in	4in	6in	8in	10in 12in
Cabinet, barrel, straight or necked ..	1/11	2/3½	3/1	—	—
Square spring, with brass knob ..	1/11	—	—	—	—
Tower bolts ..	—	2/7	3/8	4/11	6/2 7/2
Barrel bolts ..	—	3/10	5/6	7/3	9/4 11/5
Add to Tower or Barrel bolts if necked ..	9d	9d	1/4	1/3	1/3 1/3
LOCKS—each—					
Rim lock, 2 lever, wrote case, brass bolt and bushing ..	13/6		Brass furniture .. 5/-		
			or Bakelite do. .. 3/3		
			Bakelite finger-plates .. 2/8		
Mortice lock, 2 lever, bushed ..	13/6		Brass furniture .. 8/9		
			or Bakelite do. .. 3/10		
Cylinder latches, japanned case ..					17/-
Brass sash fastener ..				each	5/-
Casement fasteners (malleable) ..				do.	1/8
Do. stays (do.) ..				do.	2/3
Axle pulleys (brass face, iron wheel) 1½in ..				do.	3/3
Do. as last, but with brass wheel 1½in ..				do.	4/11
Sash line, No. 8 Anchor, yellow label ..				per yard	1/2½

METAL GOODS

British rolled steel joists ex mills to basic sections on site (6in by 5in, 8in by 6in, and 10in or 12in by 6in) .. £42/10/0 per ton

Extra cost over basis for following sections—

9in or 18in by 7in, 14in by 5½in, 15in by 5in, 14in or 15in or 16in or 18in by 6in, 20in by 6½in, 20in by 7½in, 10in or 12in or 14in or 18in by 8in ..	10/-	per ton
5in by 4½in, 7in by 3½in, 13in by 5in ..	15/-	do.
12in by 5in, 22in by 7in ..	20/-	do.
6in by 4½in, 7in or 8in or 9in by 4in, 10in by 5in ..	25/-	do.
4in by 3in, 10in by 4½in ..	30/-	do.
5in by 2½in, 5in by 3in ..	35/-	do.
6in by 3in, 24in by 7½in ..	40/-	do.
3in by 3in ..	50/-	do.
4½in by 1½in ..	65/-	do.
3in by 1½in, 4in by 1½in ..	70/-	do.
1in mild steel reinforcing rods ex mill d/d ..	£41/0/0	do.

Extras per ton

½in or ¾in diameter in size ..	15/-	per ton
½in ..	30/-	do.
¾in ..	62/6	do.
1in ..	92/6	do.
1½in ..	132/6	do.
2in ..	172/6	do.

Extras for length

5ft to 3ft ..	7/6	do.
3ft to 2ft ..	15/-	do.
2ft ..	22/6	do.
40ft to 45ft ..	15/-	do.
45ft to 50ft ..	22/5	do.
Bolts and Nuts ..	112/-	per cwt
Trench covering, including trays 1½in deep and rebated frames, 9in wide ..	25/-	foot run
Do., but 12in wide ..	27/-	do.
Do., but 14in wide ..	30/-	do.
Do., but 18in wide ..	39/-	do.

METAL SUNDRIES

Cast iron pavement lights with 4in by 3in prism and convex lenses in alternate rows ..	33/-	per ft super
Iron single fire doors, panelled both sides, pivot hung and self closing, to angle frame rebated and lugged, to meet fire regulations ..	54/-	do.
24 gauge galvanized Tallboy 6ft high, 9in diameter with 9in by 12in base ..	55/-	each

CHAIN LINK FENCING—

	In 25 yards lineal rolls inclusive of line wire.				
	Height in inches—				
2in mesh	36	42	48	60	72
10½in wire gauge ..	129/-	150/6	172/-	215/6	258/3
12½ do. ..	90/-	104/9	119/9	149/9	179/9
14½ do. ..	62/9	73/6	83/6	104/9	125/6

DOUBLE SOOT DOORS AND FRAMES—

Fitted with brass turn-buckle and cast key	9in by 9in	12in by 9in	14in by 12in
	26/6	38/6	66/3

SLIDING DOORS, GATES AND PARTITIONS—

Factory sliding doors in two leaves containing about 100sq ft with mild steel angle frames covered with 24 gauge corrugated galvanized sheeting and including hanging tubular track and gear complete ..	18/6	ft super
Factory entrance gates with mild steel frames clad with 2in mesh chain link complete ..	16/6	do.

STEEL ROOF LIGHTS—

In Skylights and Lanterns, Standard type with puttyless glazing, lead flashings, and ½in rough cast glass; in the case of Lanterns 18in vertical sashed sides are provided in addition.				
Size at Base	6ft by 4ft	8ft by 6ft	10ft by 8ft	
Skylights ..	£35 5	£50 10	£69 10	
Lanterns ..	£55	£76 5	£110	

HIGH GRADE DOMESTIC BOILERS—

Coke Fed. Performance 20 to 40 gallons raised from 40°F to 140°F per hour as under.

TYPE		£	s.	d.
20 gallons per hour				
15in wide, 23in high	Enamel finish ..	11	10	0
25 gallons per hour				
17in wide, 26in high	Do. Grey Mottle ..	20	10	0
	Do. Cream Mottle ..	22	0	0
40 gallons per hour				
22in wide, 30in high	Do. Cream Mottle ..	38	0	0

GAS, WATER AND STEAM TUBES

BASIC PRICES									
Internal Diameter—	½in	¾in	1in	1½in	2in	2½in	3in	4in	6in
Tubes per ft	9½d	10d	1/-	1/2½	1/9	2/3	2/8	3/9	3/9
Bends each	1/7	1/9	2/-	2/6	3/8	5/5	6/2	10/7	
Elbows, sq. do.	1/8	1/10	2/2	2/6	3/-	4/4	5/2	8/6	
Do., round do.	1/10	2/-	2/4	2/10	3/4	4/8	5/8	9/4	
Tees .. do.	2/-	2/2	2/6	3/2	3/8	5/-	6/2	10/2	
Crosses do.	4/4	4/8	5/6	6/6	8/2	11/-	13/2	21/-	
Backnuts do.	4d	4d	6d	7d	10d	1/-	1/4	2/2	
Sockets do.	6d	6d	8d	10d	1/-	1/4	1/9	2/6	
Sockets dimin. do.	8d	10d	1/-	1/2	1/6	2/-	2/8	4/-	

EX. STOCK IN ORDERS OF £10 OR MORE DISCOUNTS OFF BASIC LIST.

TUBE—		FITTINGS—	
Black		Galvanized	
Medium (Blue)—35%		Medium—25%	
Heavy (Red)—25%		Heavy—15%	
Black		Galvanized	
Heavy —10%		Heavy —2½%	

RAINWATER GOODS (Painted or Unpainted)

In consignments of 5cwt and over From Standard List					
Pipe:		2in	3in	4in	5in 6in
6ft lengths .. each	12/10	14/5	18/11	24/8	31/6
3ft do. .. do.	7/-	7/9	10/-	13/1	16/6
Shoe, ordinary .. do.	2/7	3/10	5/7	9/5	12/11
Bend .. do.	3/1	4/4	6/4	11/3	14/7
Branch, single .. do.	4/6	6/7	9/3	14/7	22/6
Offset, 4½in .. do.	3/9	5/3	7/9	12/11	17/-
Do. 9in .. do.	4/11	6/6	9/8	15/3	19/3
H.R. gutter, 6ft length do.	—	6/-	8/5	10/4	13/10
Angle or nozzle .. do.	—	2/6	3/1	3/9	5/4
Stop end .. do.	—	9d	1/1	1/6	1/9

Above plus 25%

PLASTERING MATERIALS

Sand, lime, cement and various plasters are previously included under those heads—			
Metal lathing (½ in by 24G) (20 yards)	4/-	sq yard	
Plaster baseboard ½ in (1,200 yards) ex works	2/2½	do.	
Lath nails, galvanized	1/6	lb	
White glazed tiles (6 in by 6 in by ½ in)	1 yd	27/9	sq yard
Do. rounded on one edge	to	34/-	do.
Do. on two adjoining edges	10 yd	36/3	do.

PLUMBER'S GOODS

4lb lead sheet (in 1ton lots)	106/-	per cwt
Lead water pipe in coils (do.)	108/3	do.
Plumber's solder	3/7	lb
Copper tacks	8/8	do.

IRON SOIL AND WASTE PIPE. (5cwt lots and up)

each	2in	3in	3½in	4in
½ in Medium pipe, 6ft length	14/6	17/2	19/3	21/11
Do., 4ft length	10/5	12/2	13/7	15/5
Bends	5/4	6/6	8/1	9/1
Do., with oval door	17/4	18/6	21/1	24/7
Junction, single	6/6	9/8	11/3	13/3
Do., with oval door	18/6	21/8	24/3	26/3
Swan necks, 4½ in	6/6	10/3	11/9	13/9
Do., 9in	8/8	11/9	13/9	16/1
Holderbat, 2½ in projection	5/9	5/11	6/3	6/4

Above plus 25%

GALVANIZED CISTERNS, TANKS AND CYLINDERS—
(Less than three)

each	gallons			
	Nominal capacity			
	100	150	200	300
Bends over tops and corner plates. Riveted or welded				
14 gauge	174/-	235/-	295/-	417/-
12 gauge	211/-	292/-	344/-	464/-
½ in plate	241/-	339/-	399/-	542/-

HOT WATER TANKS

Riveted and with handhole and ring	20	25	30	40
12 gauge	147/-	151/-	164/-	190/-
½ in plate	165/-	168/-	184/-	211/-

HOT WATER CYLINDERS—

Riveted, with handhole and ring	20	25	33	39
12in gauge	166/-	182/-	203/-	219/-
½ in plate	181/-	200/-	221/-	240/-

PLUMBER'S BRASSWORK, etc.

	Each	Each	Each	Each
	½ in	¾ in	1in	1½ in
Boiler screws, single nut	1/8	2/2	3/6	6/-
Do., double nut	2/4	2/11	5/6	8/-
Cap and lining	1/3	1/8	2/-	2/2
Plumber's unions	2/6	3/1	4/2	7/5
Ball valves, screwed iron	14/2	22/3	—	—
Do., fly nut and union	15/2	24/-	—	—
Bib valves, crutch top screwed iron	8/9	12/9	—	—
Do., but screwed boss	10/-	14/6	—	—
Stop valves, screwed iron	7/9	10/6	—	—
Do., screwed iron and union	9/6	13/9	28/6	—
Do., double union	10/9	15/6	30/-	—
Waste, plug chain and stay	—	—	8/6	9/6
	1½ in	1½ in	2in	4in
Caps and screws	4/6	5/6	7/-	—
Sleeves, long	—	—	7/8	11/1
Do., short	—	4/6	4/8	9/-
Thimble	—	3/10	5/-	10/7
Full way gate valves, hot pressed	21/-	29/3	—	—
		1½ in	1½ in	2in
Lead 7lb P. trap	—	7/2	9/5	13/3
Do., S. trap	—	8/10	11/7	16/3
Lead 6lb P. traps with 3in seal	—	8/-	9/8	—
Do., but S. traps, do.	—	9/11	12/2	—
Wire balloon guards, copper, 2in, 3/9; 4in 4/-	—	—	—	—
Do., galvanized iron, 2in 1/5; 4in 1/10	—	—	—	—
Hair felt 34in by 20in, 24oz, 6/- sheet	—	—	—	—
Boss white jointing compound, 2/3lb	—	—	—	—
Gasket, 1/10½ lb. Hemp, 9/- lb	—	—	—	—

COPPER TUBES—Extract from B.S. 659/1955—

Nominal bore	Internal work (semi-hard) Outside diameter	Gauge	Weight lb per ft	3cwt lots Price per lb pence	Price per ft pence
½ in	0.596	19	0.27	41½	11.25
¾ in	0.846	19	0.39	39½	15.56
1in	1.112	18	0.62	38½	23.80
1½ in	1.362	18	0.76	37½	28.69
2in	1.612	18	0.91	37½	34.36
2½ in	2.128	17	1.40	39½	55.13

CAPILLARY TYPE CONNECTIONS—

Add for delivery and packing on orders under £10.

All ends copper to copper

	Each	½ in	¾ in	1in	1½ in	2in
Straight	1/5½	1/10½	2/10½	4/0½	8/0½	11/6½
Elbow	3/4	4/1½	5/6½	8/7½	13/11½	28/6
Tees	4/1½	4/8	6/9½	11/3½	19/4½	28/6
Brackets (Brass)	2/10½	3/5	3/10½	4/0½	6/5½	7/6½

GLASS

English, flat drawn sheet glass cut to sizes in squares	Per foot superficial	24oz	26oz	32oz
Figured rolled, white cut to sizes, in squares (½ in)	Group 1	1/2½	1/2½	1/6½
Do., but in standard tints	Group 2	1/8½	1/8½	1/8½
½ in Rolled, cut to size, in squares	—	1/2½	1/2½	1/2½
½ in rough cast do.	—	1/5½	1/5½	1/5½
½ in do. wired do.	—	1/9½	1/9½	1/9½
Georgian wired do.	—	1/9½	1/9½	1/9½
Fluted (No. 1) do.	—	1/8½	1/8½	1/8½
½ in Reeded	—	2/4½	2/4½	2/4½
½ in Reedlyte (narrow and broad) do.	—	1/7½	1/7½	1/7½
Spotlyte do.	—	1/7½	1/7½	1/7½
½ in Calorex Cast do.	—	1/8	1/8	1/8
Flashed Opal (15/18oz) up to 1ft super	—	4/2	4/2	4/2
do. do. over 1ft super	—	5/-	5/-	5/-
Pot Opal (15/18oz) up to 1ft super	—	4/2	4/2	4/2
do. do. over 1ft super	—	5/-	5/-	5/-

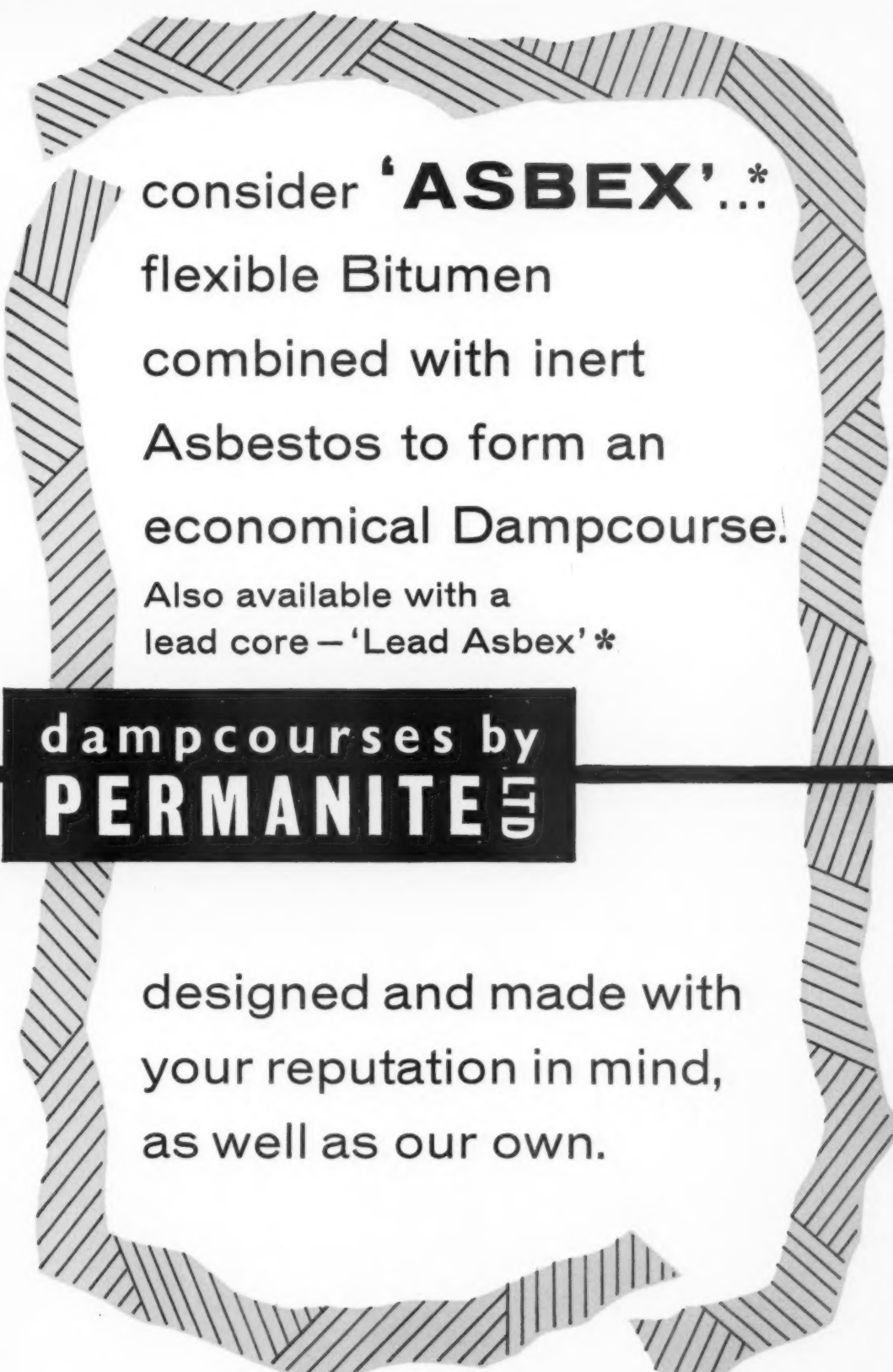
POLISHED PLATE GLASS (Tariff) Cut to sizes.

Ordinary substance ½ in and ¾ in thick.

Per Superficial ft	General Glazing
In plates not exceeding:	
2ft super in each	4/7
5ft do.	5/7
45ft do. (unless extra sizes)	6/9
100ft do. (do.)	7/4
Extra sizes, i.e., Plates exceeding 100ft super or 160in one way or 96in both ways at higher prices.	

DECORATING MATERIAL

	Price	Unit
Aluminium Paint	41/-	Gallon
Distemper, ceiling	39/-	Cwt
Distemper, washable	120/-	do.
Enamel (eggshell)	52/-	Gallon
Gold Metallic Paint (heat resisting)	100/-	do.
Heat Resisting Paint	40/-	do.
Japan, black	35/-	do.
Knotting	40/-	do.
Linseed Oil (5gal)	16/-	do.
Boiled, do. (do.)	15/6	do.
Proprietary Paints (good class)—		
Finishing	57/6	do.
Priming (lead base)	57/6	do.
Undercoat	59/-	do.
Plaster Primer	38/6	Cwt
Petrifying liquid	9/6	Gallon
Putty	52/6	Cwt
Size	12/3	Firkin
Terebine	22/-	Gallon
Turpentine substitute	6/5	do.
Varnish, oak, copal inside use	39/-	do.
Do., do., outside use	41/-	do.
Do., white, eggshell, flat	50/-	do.
White lead mixed paint	66/6	do.
White lead	167/6	Cwt
Whiting	13/3	do.



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flexible Bitumen
combined with inert
Asbestos to form an
economical Dampcourse.

Also available with a
lead core — 'Lead Asbex' *

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as well as our own.

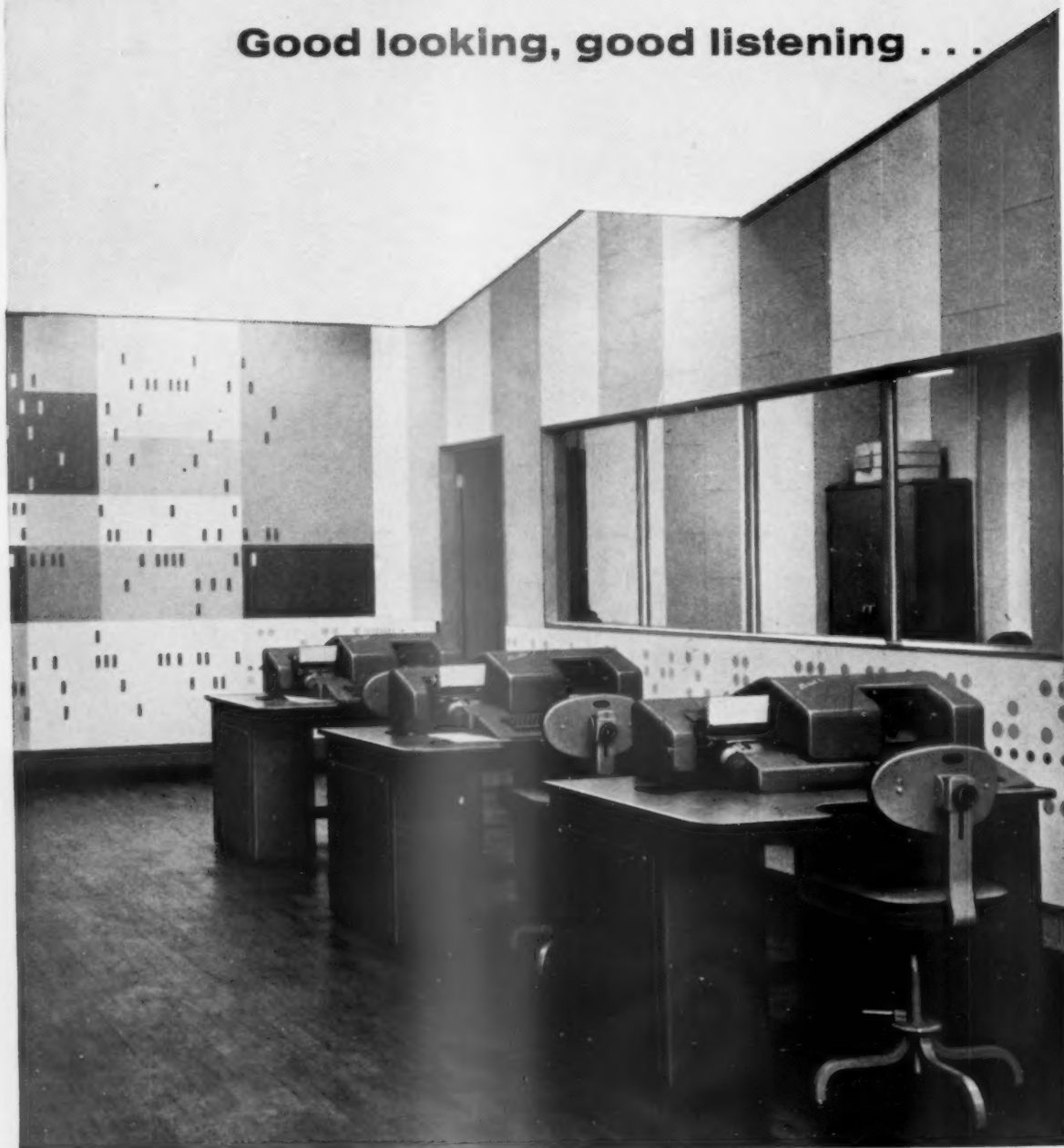


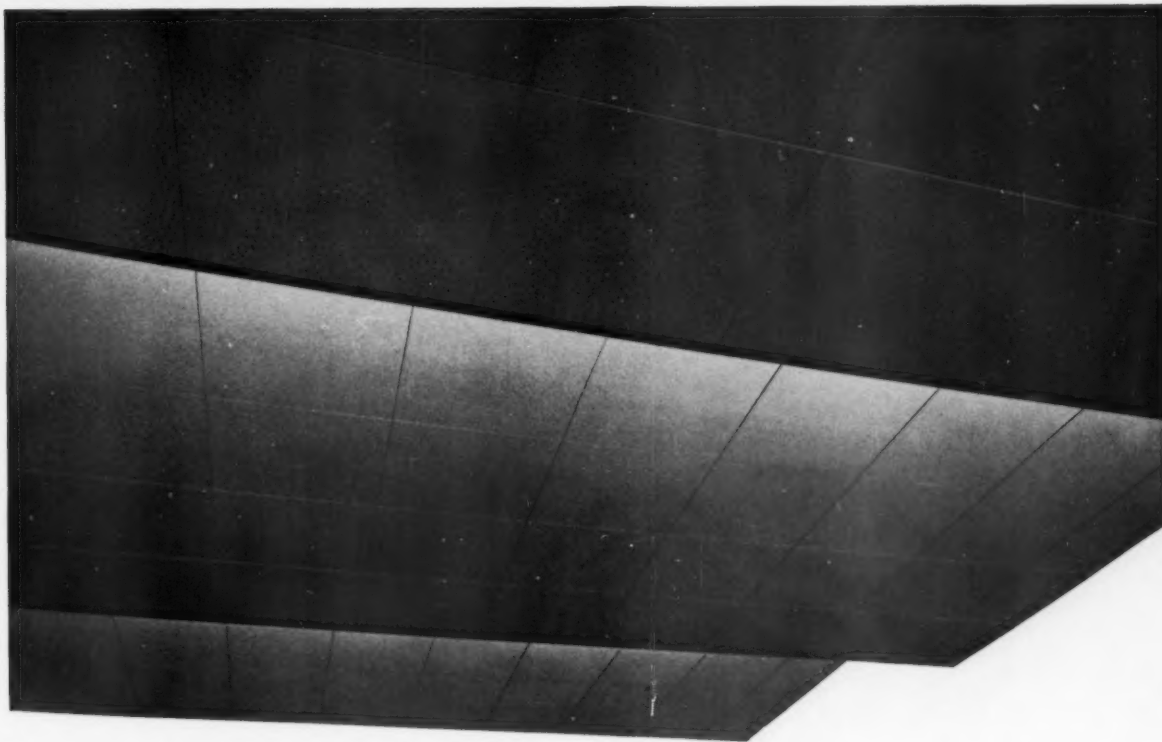
'ASBEX' conforms to B.S. 743 : 1951 Type 5C.

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Acoustic Contractors: Anderson Construction Co. Ltd.
Surveyors: Messrs Whiteley, Ferris and Puckridge.*



A noise-stricken age is beginning to react. Acoustic ceilings are in demand. And to ensure decorative harmony, good looks as well as efficient sound absorption are needed. Shown here is an acoustic ceiling of Armstrong Cushiontone tiles. Pine wood fibres compressed to a special density give these tiles a high sound-absorption coefficient. Their appearance is attractive—four designs are available—and several different methods of installation are possible, including the use of Armstrong's specially designed metal suspension system. Also available are Travertone (mineral wool) and Corkoustic (cork) tiles.

Please write for full details

Armstrong Cushiontone* ACOUSTIC TILES

ARMSTRONG CORK COMPANY LIMITED
Acoustics Dept. 11a Carlisle Rd. Colindale London N.W.9
Tel: COLindale 9744

* Trademark owned by Armstrong Cork Company U.S.A. for a wood fibre acoustical material manufactured in U.S.A.

AT 16



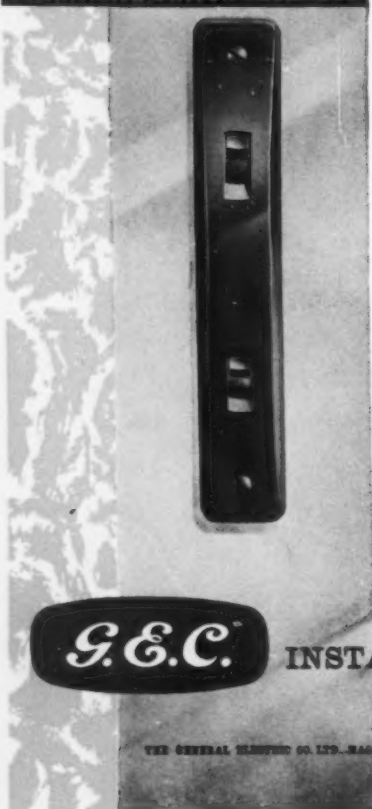
Mutac Clipper switches have been accepted by the Council of Industrial Design for Design Index—so architects, consulting engineers and contractors are choosing them for their good looks, as well as for their functional efficiency and easy assembly.

just a minute!

that's all it takes to instal the

'MUTAC CLIPPER'

ARCHITRAVE SWITCH ASSEMBLY

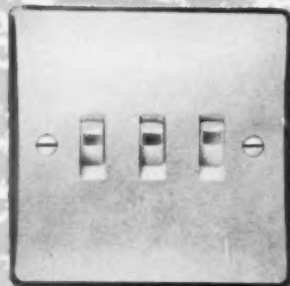


Take either a 'Mutac Clipper' plaster depth or architrave switch plate and select the required switch, bell push or pilot light. Simply press home the spring clip with a small screwdriver and a fixed plate assembly is ready for installation. Available in 1, 2 or 3 gang for plaster depth and 1 and 2 gang for architrave.

'Mutac Clipper' switch assemblies will cut installation costs and save time as additions and alterations can be made with the minimum of effort.



PLASTER DEPTH SWITCH ASSEMBLY

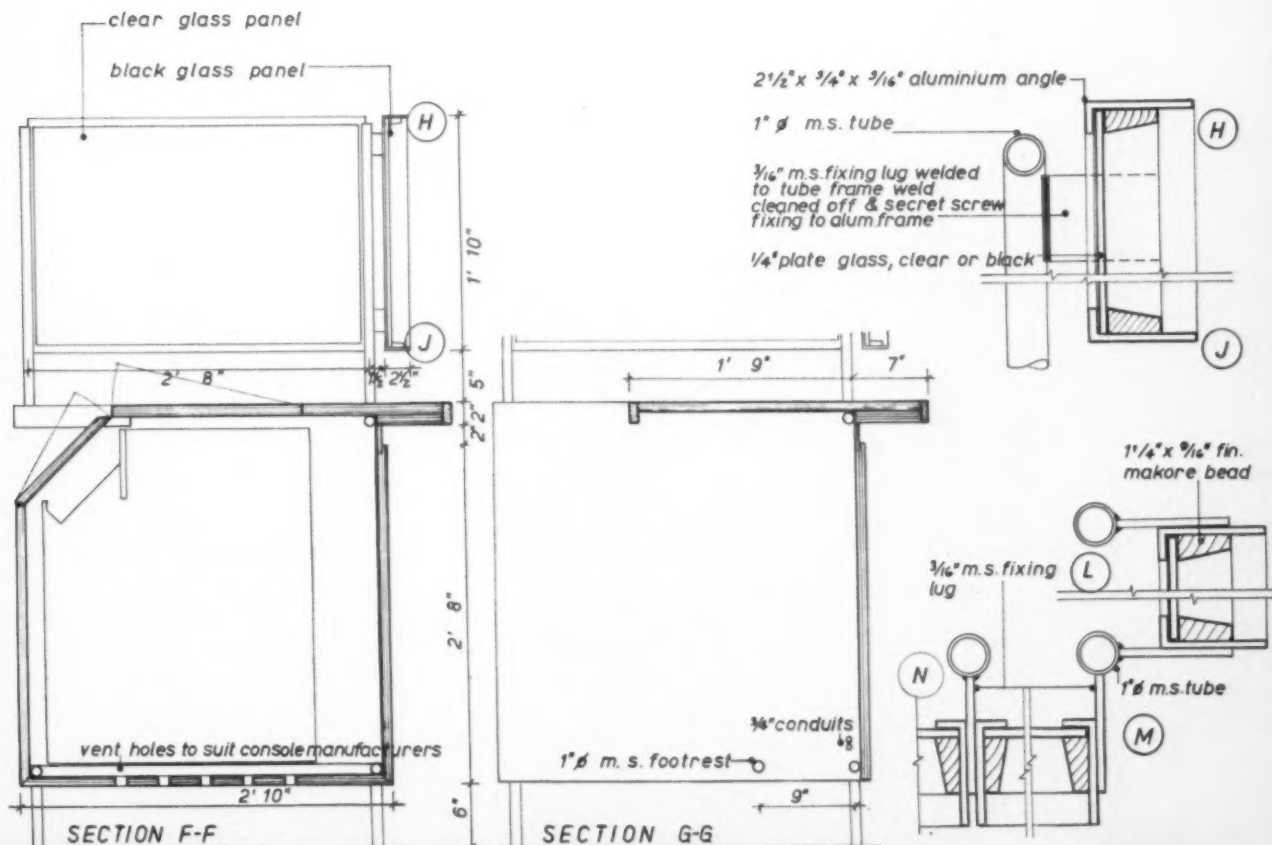
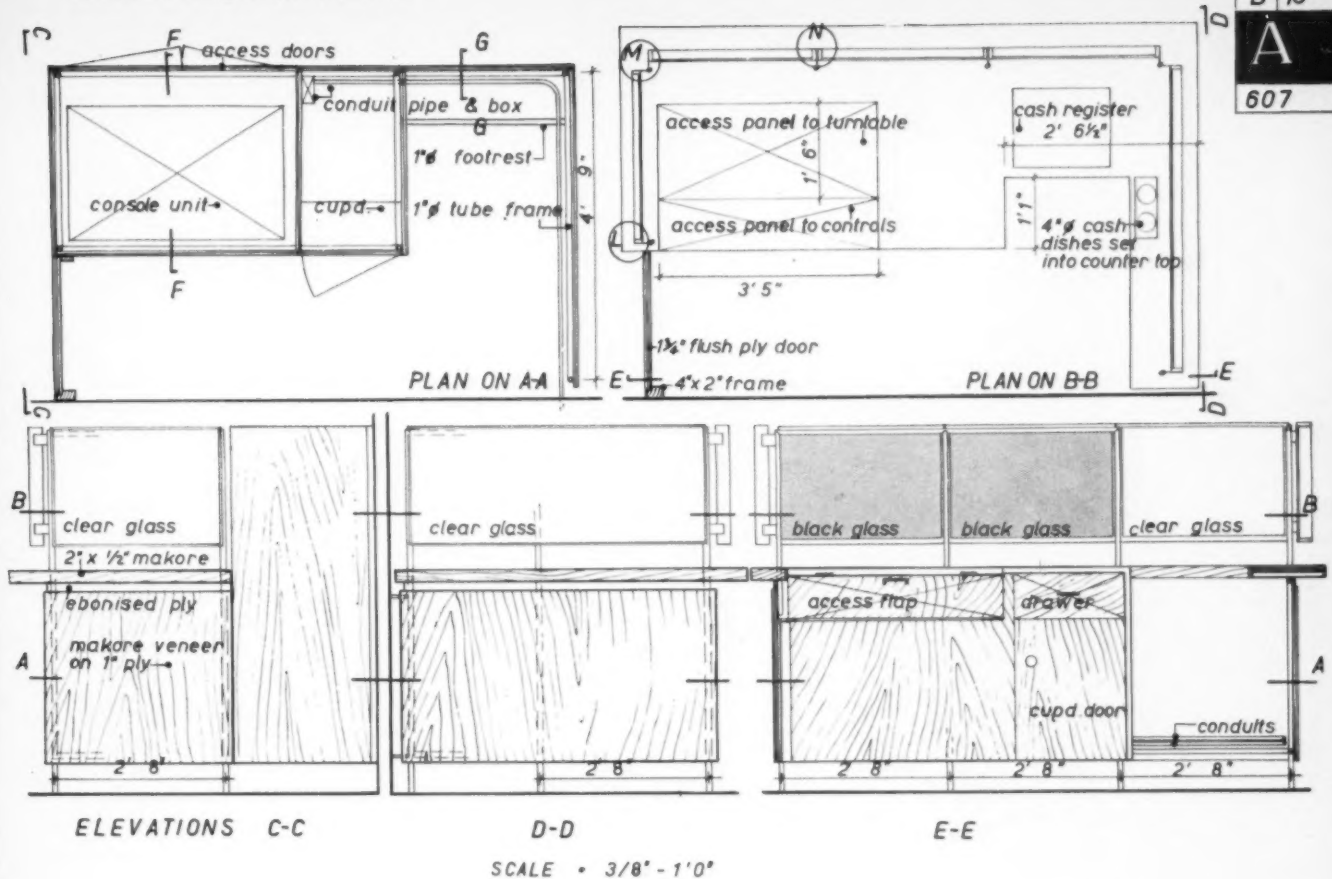


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INSTALLATION EQUIPMENT GROUP

THE GENERAL ELECTRIC CO. LTD., MANLEY HOUSE, KINGSWAY, LONDON, W.C.2

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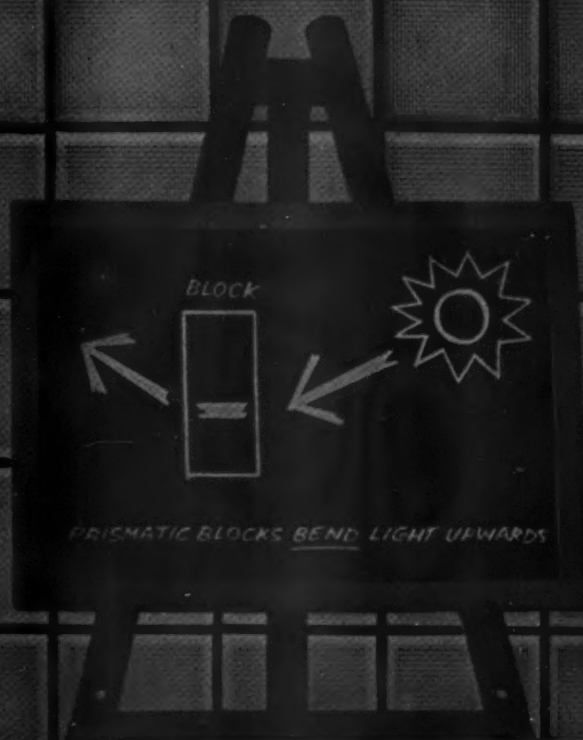
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News

WORK IN PROSPECT

Ballyclare U.D.C., Co. Antrim, has approved plans for widening the bridge over the Sixmilewater River at Main Street, estimated cost £6,500.

Belfast. Erection of new premises on the corner of High Street and Lombard Street for The Scottish Widows Fund and Life Assurance Society.

Birmingham. The Regional Hospital Board Edgbaston, has approved (1) the erection of (i) admission unit and out-patients' centre at Rubery Hill and Hollymoor Hospital, cost £327,930; (ii) male nurses' home at Chelmsley Hospital, Marston Green, cost £19,980; (iii) animal house at Little Bromwich General Hospital, cost £10,740; (2) improvements to Marston Green Maternity Hospital, cost £15,600; (3) extensions to laundry at Selly Oak Hospital, cost £14,300; (4) modernization of nurses' home at St. Margarets Hospital, Great Barr, cost £27,050.

Brentford (Middx.). Erection of building at The Butts, proposed by Buckley Press Ltd.

Bromsgrove. The Birmingham Regional Hospital Board has approved (1) conversion works at Barnsley Hall Hospital, cost £16,835; (2) erection of nurses' accommodation at Bromsgrove General Hospital, cost £19,855.

Chipperfield (Herts.). Erection of a Church of England primary school, cost £25,000.

Coleraine, Co. Londonderry. Extension to the Ulster Chipboard Co. Ltd., factory for the Ministry of Commerce, estimated cost £40,000.

Coventry C.C. Alterations and extensions to the public abattoir, cost £65,000.

Croydon Corporation. Erection of a theatre to seat 770, cost £400,000.

Darlington. Erection of engineering workshops in West Auckland Road for Chemical and Insulating Co. Ltd.

Devon C.C. Erection of a training centre, cost £36,000, and a hostel, cost £27,000.

Doncaster. The Ministry of Education has approved revised plans for High Melton training college.

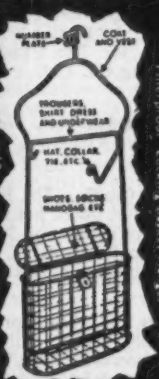
Esher U.D.C. has approved outline planning permission for the conversion of Solatron Ltd., works in Queens Road, Thames Ditton.

Harrogate. Proposed improvements to the Army Apprentices training school by the War Office Works Directorate.

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Hinckley. Approval has been given to factory extensions in Marchant Street for P. Beasley and Co.

Hull. Erection of a three-storey office block in Portland Street and Portland Place for The Humber Electrical Engineering Co. Ltd.

Huntingdon C.C. Erection of a clinic in Nursery Road.

Leek (Staffs.). The Birmingham Regional Hospital Board has approved in principle the provision of a canteen for staff and patients at St. Edwards Hospital, Cheddleton, estimated cost £21,515.

Leics. C.C. has approved a scheme for a 'family group' children's home at the junction of St. Mary's Road and Holmfield Road, Sileby, cost £10,000.

Lines. C.C. Erection of buildings for St. Norbert's Roman Catholic school at Pennygate, Spalding, to replace the present school.

Liverpool. The Roman Catholic authorities propose a Notre Dame secondary selective school in Stonebridge Lane.

London C.C. A home and hospital for Jewish incurables is proposed at Tottenham.

Erection of (i) a warehouse and store in Marlborough Grove for Glover, Webb and Liverside Ltd.; (ii) offices at 24-32 King William Street and Crooked Lane, E.C.4; (iii) offices at 356-364 Grays Inn Road, W.C.1.

Luton. A workshop and offices are proposed for United Dairies Ltd.

Macclesfield. Erection of a school for the blind, estimated cost £250,000.

Motherwell (Lanarks.). Erection of factory extensions for Honeywell Controls Ltd. on the Newhouse Industrial Estate, estimated cost £500,000.

The North East Metropolitan Regional Hospital Board propose (i) amended scheme for an out-patients' department at Orsett Hospital, cost £100,000; (ii) a pathological laboratory at St. Andrews Hospital, Bow, cost £76,000; (iii) extensions to nurses' home at Prince of Wales general hospital, Tottenham, cost £10,400.

Redhill (Surrey). A staff hostel is planned for Redhill County Hospital.

Romford. An office block is proposed in Tangent Road, Harrold Hill, for P. C. Henderson Ltd.

Scunthorpe B.C. (1) has approved plans for an engineering block at Redbourne Works, Dawes Lane, for Richard Thomas and Baldwins Ltd.; (2) propose erection of flats for old people at Ashby.

Sheffield. The Regional Hospital Board propose (i) reconstruction of 16 main wards at the City Hospital, Nottingham;

(ii) new boiler house at Nether Edge; (iii) phase 2 of a diagnostic block at the Royal Infirmary, Doncaster; (iv) office extensions at the Board's headquarters, Fulwood House.

Southampton. Outline planning permission has been given for a 13-storey building in Brunswick Place.

South Shields. A students' hostel is planned at the Marine and Technical College for the education committee.

Staveley. The Roman Catholic authorities propose a school on Middlecroft Estate.

Stalybridge. Extensions to works in Caroline Street are planned for Bostock and Bramley Ltd.

St. Helens (Lanes.). Extensions to factory in Eccleston Street for John Thornton and Co., Knowsley Road, estimated cost £350,000.

Stretford. A two-storey office block and laboratories are proposed for Associated Electrical Industries (Manchester) Ltd., in Barton Dock Road.

Walsall. The education committee has approved plans for the West Midlands Training College.

Wellingborough U.D.C. propose to include a swimming bath scheme in their next capital works programme, estimated cost £125,000.

Wokingham B.C. (Berks.). has approved plans for a factory in Fishponds Road, off Molly Millars Lane, for Wokingham Plastics Ltd.

Wycombe R.D.C. (Bucks.). has granted permission to Austin Hoy and Co. Ltd. to erect an engineering assembly department in Station Road, Saunderton.

SUBMISSIONS FOR PLANNING AND BYE-LAW APPROVAL

Accrington B.C. Plans submitted for erection of (a) nurses' recreation hall at Accrington Victoria Hospital, Whalley Road, for the Blackburn and District Hospital Management Committee; (b) three bungalows at 1-5 Surrey Street for Harrison & Armfield.

Burnley Corporation. Plans submitted for (1) erection of (a) club building off Rosegrove Lane for the British Transport Commission; (b) 16 garages off Middlesex Avenue for D. Dean Ltd.; (2) outline for petrol filling station, vehicles repair garage and motor car showroom in Trafalgar Street for W. & T. Thompson Ltd.

Cardiff C.C. Plans submitted for (1) proposed erection of health clinic in Albany Road; (2) outline for headquarters building, of three-storey over-site, with seven-storey tower block above and car parking provision in Bute Terrace for the Wales Gas Board; (3) layout for the development of final stage (21 acres) of the Lakeside Estate, Cyncoed, by the erection of combined blocks of flats and maisonettes (Type 'P').

Carlisle Corporation. Plans submitted for (1) erection of (a) storage building in 26-28 Blackfriars Street for Marks & Spencer Ltd.; (b) offices at Atlas Works, Nelson Street, Johnston & Wright for R. Buck & Sons Ltd.; (c) apprentice training school in Borland Avenue for Metal Box Co. Ltd.; (d) three-storey extension with roof parking for Graham & Roberts Ltd.; (2) outline for (a) housing estate at Gallows Hill and offices in Milbourne Street, A. F. Sewell for Border Engineering Contractors Ltd.; (b) offices and storage at Shaddongate for Border Dairy Co. Ltd.; (c) service bay, workshop, showroom, etc., at Gallows Hill petrol station, London Road, for Regent Oil Co. Ltd.; (3) extension to Martins bank at Botchergate for R. Dobson.

Chelmsford Corporation. Plans submitted for (1) erection of (a) 21 one-unit garages in Gloucester Avenue for Roxwell Development Co.; (b) Church of the Ascension, excluding bell tower, between 3 & 9 Maltese Crescent for the Rev. T. G. Cousins; (c) three additional classrooms, library and cloakroom at St. Philip's Priory, 178 New London Road for the Rev. Mother Prioress; (d) Spiritualist Church in South Primrose Hill for Chelmsford Spiritualist Society; (e) building for use as a shop at 42/43 High Street for N. Martin; (f) three-storey block of six ground floor flats and 12 maisonettes over with car parking areas in Torquay Road for Percy Bilton Ltd.; (g) building for use as a shop, etc., at 19 High Street; (h) two house units each to accommodate 35 boys with resident staff quarters at Essex Home school, Rainsford Road, for the Governors; (i) shops with offices over at 199/200 Moulsham Street for Kenneth Orrin Ltd.; (2) outline for flats in tower blocks in Chignall Road for Dr. J. F. MacDonald.

Cheltenham. Plans submitted for erection of (a) storage building in Churchill Road for Neata Products Ltd.; (b) extension for Walker Crossweller & Co. Ltd. in Clyde Crescent.

Dewsbury Corporation. Plans submitted for erection of (a) four semi-detached houses in Tresham Court, filling station and lock-up garages in Heckmondwike Road for D. Peirson Ltd.; (b) winding shop and stores in Brewery Lane for Yorkshire Electric Transformers Ltd.; (c) warehouse in Lock Street for T. Ottewill & Co.; (d) three shops with storage over at 7/9 Northgate for Cophall Holdings Ltd.; (e) extension of warehouse in Stoney Bank Street for W. Rowbottom & Sons Ltd.; (f) yarn twisting shed at Ravensthorpe Mills for Carpet Trades Ltd.

Dudley Corporation. Plans submitted for (1) erection of extensions to existing factory at Holly Hall; (2) outline for development of 249-259 Castle Street by the erection of a public house and shops.

Eastbourne Corporation. Plans submitted for (1) erection of (a) 37 detached houses and garages and 18 flats and garages in Willington Road; (b) first stage of factory on Brampton Road Trading Estate for A. H. Hunt (Capacitors) Ltd.; (c) showroom and office premises for Butlers Garage (Eastbourne) Ltd.; (2) alterations to bedrooms and provision of new bathrooms at Grand Hotel, King Edward's Parade; (3) conversion of Hanburys Hotel, Devonshire Place, into nine flats and erection of five garages; (4) outline for six-storey block of 12 flats in Devonshire Place.

Eccles Corporation. Plans submitted for (1) reconstruction of machine shop in Green Lane for Mitchell Shackleton & Co. Ltd.; (2) conversion of 13 Sandwich Road into three semi-contained flats for S. Lloyd.

Glasgow Corporation. Plans submitted for erection of (a) extensions to works and erection of two-storey offices and canteen at Parkhead Forge, Duke Street, for William Beardmore & Co. Ltd.; (b) single-storey extension to factory on Queenslie Industrial Estate for Industrial Estates Management Corporation for Scotland.

Liverpool Corporation. Plans submitted for erection of buildings at St. Chad's Parade and Kirkby Hall Drive for Ravensoft Properties Ltd.

Littlehampton U.D.C. Plans submitted for erection of (a) two-storey block of four maisonettes and garages in Harsfold

Road and Hawley Road for G. T. Crouch Ltd.; (b) estate office in Cornwall Road for E. & L. Berg Ltd.

London C.C. Plans submitted for (1) erection of (a) canteen and office block at The Friary for T. Wall & Sons (Ice Cream) Ltd.; (b) finishing shop in Coronation Road for Ferrous Protection Ltd.; (c) first floor canteen and offices at Westfields Road for Surgical Equipment Supplies Ltd.; (d) offices and canteen at 23-25 Sunbeam Road for Geo. Cohen 600 Group Ltd.; (e) warehouse and offices at 287 Acton Lane for Augener Ltd.; (2) additions and alterations to 24-26 Brouncker Road for Thermoplastic Moulders Ltd.

Milford Haven U.D.C. Plans submitted for (1) outline for three plots for houses in Priory Lodge Drive for J. Pincock; (2) internal alterations to the Three Crowns public house, Hubberston, for Ind Coope & Allsopp Ltd.; (3) layout for Bunkers Hill Estate (76 dwellings) for Davis Estates Ltd.; (4) erection of classrooms at Milford Haven Secondary school for Pembs. Education committee.

Oxford C.C. Plans submitted for (1) erection of petrol station in London Road, Headington, for Shell Mex & B.P. Ltd.; (2) rebuilding of shop at 21 Cornmarket Street for Milward & Sons Ltd.; (3) conversion of 1 Staverton Road into five flats for Consultants Properties Ltd.; (4) alterations and extensions in Tidmarsh Lane and New Road for King's Motors (Oxford) Ltd.; (5) addition of five bed-

rooms, bathroom and TV room at Elizabeth Nuffield nursing home, 165 Banbury Road.

Peterborough. Plans submitted for erection of an abattoir in Padholme Road for The Union International Co. Ltd.

Redditch U.D.C. Plans submitted for (1) erection of (a) bungalows on St. Peter's Estate, Crabbs Cross, for Annol (Builders) Ltd.; (b) factory and offices in Arthur Street for Lan-Bar Ltd.; (c) amended house types for plots 78-107, 164-172 and layout of garage site on Lodge Park Estate for Farmer Bealey & Co.; (d) kitchen at the College of Further Education for Worcestershire C.C. education committee; (2) construction of lavatories and stores at The Star and Garter, Crabbs Cross, for Flower & Sons Ltd.

Sedgley (Staffs). Plans submitted for erection of smelting shop and installation of two oil-fired cupolas on Dorston Trading Estate, Burton Road, for Northwood Metals Ltd.

Tynemouth Corporation. Plans submitted for (1) construction of paint store and lavatory block in Coast Road, North Shields, submitted by T. Bedford & Partners for Formica Ltd.; (2) extension to factory in Norham Road, West Chirton, submitted by Messrs. Clarence Solomon for Hall Sections Ltd.

Wallasey Corporation. Plans submitted for rebuilding of (a) Lighthouse Inn, Wallasey Village; (b) corner block of shops in Liscard Road and Wallasey Road for use as a bowling alley and snack bar.



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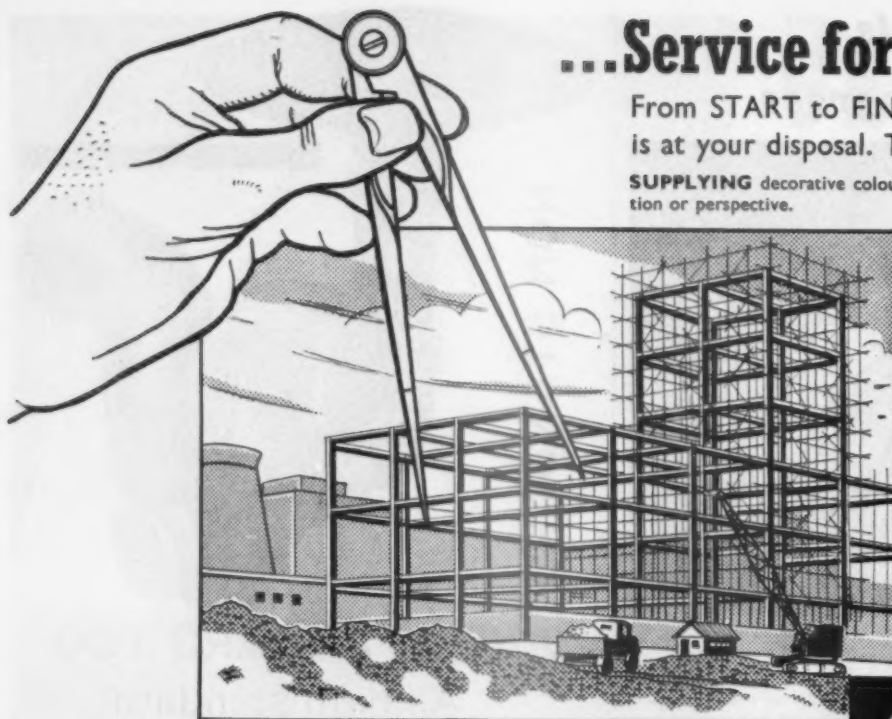
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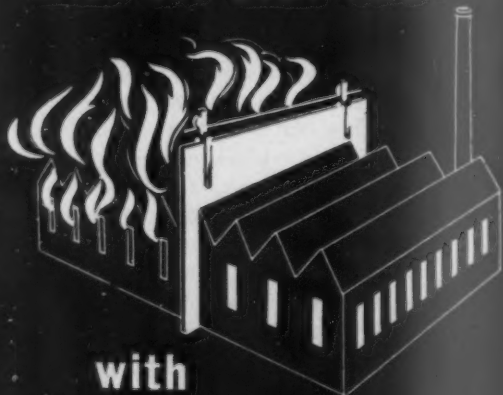
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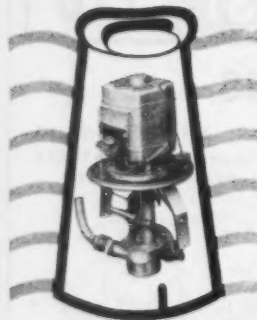
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Official Announcements

APPOINTMENTS CONTRACTS TENDERS

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APPOINTMENTS

Crawley Development Corporation requires:

- (a) **Assistant Architect**, APT III-IV (£960-£1,310).
 (b) **Junior Assistant Architect**, APT I-II (£645-£960).
 (c) **Architectural Draughtsman**, Salary according to experience.
 Candidates for post (a) must be Associates of the RIBA and for post (b) to Intermediate RIBA standard.
 Candidates for post (c) should have had experience in Architectural Drawing Offices.
 The Architects' Department is at present engaged upon a varied and interesting programme of Housing, Commercial and Industrial projects, etc. and Swimming Bath. Five-day week. Housing may be provided if required. Landscape experience an advantage.
 Apply on forms from Chief Architect (Vacancy), Broadfield, Crawley, Sussex, by 10th December, 1960. [7285]

Flintshire County Council INVITE APPLICATIONS FOR QUANTITY SURVEYOR (SENIOR)

Candidates should be Associates of the RICS Quantities (Sub-section), with four years' practical experience as Quantity Surveyors since passing Final examination.
 Salary APT V (£1,310-£1,480 p.a.).
 Form of application from Clerk of the County Council, County Buildings (P.O. Box No. 1), Mold. Closing date 12th December, 1960. [7302]

Borough of Enfield

Borough Engineer & Surveyor's Department.

Non-County Borough in the County of Middlesex—Population 109,700. Area 12,400 acres.

APPLICATIONS are invited, from suitably qualified persons, for the following permanent appointments:

1. **ASSISTANT ARCHITECT—APT IV**—£1,140-£1,310 plus London Weighting.
 2. **ARCHITECTURAL ASSISTANTS (2 No.)—APT III—£960-£1,140 plus London Weighting.**

The commencing salary will be fixed at points within the scale commensurate with qualifications and experience.

There is a large varied programme of work, including the redevelopment of Clearance Areas and other areas scheduled for Comprehensive Development.

HOUSING ACCOMMODATION may be made available in appropriate cases. The Council is also prepared to consider 100% advances to successful applicants for house purchase within the Borough. Saturday mornings are normally free from duty.

Application forms, obtainable from H. D. Peake, MSc(Eng), MICE, Borough Engineer and Surveyor, 7 Little Park Gardens, Enfield, Middlesex, must be returned as soon as possible.

CYRIL E. C. R. PLATTEN,
Public Offices,
Gentleman's Row,
Enfield, Middx.
25 October, 1960. [0842]

County Borough of St. Helens Borough Engineer and Surveyor's Department

APPLICATIONS are invited for the following appointments in the Architectural Section:—

- (a) **Chief Assistant Architect—Scale A** (£1,385/£1,565).
 (b) **Principal Assistant Architect—APT Grade V** (£1,310/£1,480).

Applicants for appointment (a) should be corporate members of the RIBA with experience in design and construction of public buildings, redevelopment schemes, large scale housing development and supervision of staff and will be responsible for supervision of staff under the control of the Chief Architect.

Applicants for appointment (b) should be suitably qualified with experience in general Municipal Development.

The Council operate a 5 day working week. The appointments will be subject to NJC Conditions of Service, the Local Government Superannuation Acts, a medical examination and will be terminable by one month's notice.

Applications clearly indicating the post applied for, and setting out age, qualifications and experience, and naming two referees should reach the undersigned not later than Tuesday, December 13th, 1960. Applicants must reveal relationship to any member or Senior Officer of the Council.

Canvassing will disqualify.

M. WARD,
MIMunE, MTPI, AMIStructE,
Borough Engineer and Surveyor,
Town Hall,
ST. HELENS. [7335]

East Riding of Yorkshire County Council APPLICATIONS are invited for the appointment of ASSISTANT ARCHITECTS on the staff of the County Architect.

Salaries will be in accordance with the NJC Special Scale (£840-£1,145 per annum) or Grade APT IV (£1,140-£1,310 per annum) according to experience and qualification.

Particulars of qualifications, age, experience, past and present appointments with salaries, together with the names of three referees should be sent to the County Architect, County Hall, Beverley, not later than Friday, 16th December, 1960. Assistance towards removal, lodging and travelling expenses may be granted.

THOMAS STEPHENSON,
Clerk of the Council. [7334]

ASSISTANT TOWN AND COUNTRY PLANNING OFFICER Government of Barbados

To assist the Town and Country Planning Officer in the preparation and administration of development plans.

Contract appointment (3 years). Salary £1,500. Gratuity 20% of salary. Free passages. Unfurnished quarters at moderate rent.

Candidates must be AMTPI preferably with an additional qualification.

Write Director of Recruitment, Colonial Office, London, S.W.1, giving full names, age, qualifications and experience quoting BCD.62/28/02/E1. [7317]

City of Cambridge ASSISTANT ARCHITECTS

A number of posts exist in the Architects' Section for which keen and competent assistants are required.

Assistants are given full responsibility for their own jobs, including site supervision, and the posts offer excellent opportunities to obtain and/or widen all round experience in design, construction and contract administration.

- (a) **One Senior Assistant Architect (Housing)**,
APT Grade IV (£1,140-£1,310 p.a.).

To take charge of drawing office work in connection with the housing programme. Experience of multi-storey structures would be an advantage. Placing on scale according to qualifications, etc., which should be at least ARIBA, and five years' office experience. Casual users car allowance payable for official duties.

- (b) **Three Assistant Architects (Schools and General)**,
APT Grade III (£960-£1,140 p.a.).

Applicants should have had good general experience and be at Final RIBA stage. Placing on scale as appropriate.

HOUSING ACCOMMODATION will be available in approved cases.

Application forms may be obtained from the City Surveyor, The Guildhall, Cambridge, and should be returned not later than Friday, 16th December, 1960.

ALAN H. I. SWIFT,
Town Clerk.
The Guildhall,
Cambridge. [7300]

Urban District Council of Corby ARCHITECTURAL ASSISTANTS

APPLICATIONS are invited for the undermentioned appointments in the Architectural Section of the Engineer and Surveyor's Department:—

- (i) **Senior Architectural Assistant**.

Applicants must be qualified Architects of not less than five years' experience (including the period of theoretical training). Salary within Grade APT III/IV (£960-£1,140-£1,310) according to experience.

- (ii) **Junior Architectural Assistant**.

Salary Grade APT I (£645-£815) or APT II (£815-£960) according to qualifications and experience.

Corby is a rapidly expanding town and the Council's building programme is substantial and varied, with opportunities for good experience.

The provisions of the Local Government Superannuation Acts, 1937/53, will apply to this appointment.

Housing accommodation will be made available to the successful candidates, if married.

Forms of application may be obtained from the undersigned, to whom they should be returned not later than the first post on Friday, 16th December, 1960. Testimonials will be required only from applicants selected for interview.

G. B. BLACKALL,
Clerk of the Council.
Council Offices,
Corby,
Northants.
22nd November, 1960. [7326]

Official Announcements

APPOINTMENTS (cont)

Lancashire County Council
ARCHITECTURAL ASSISTANT required at PRESTON, APT Grade V, salary £1,310-£1,480.

Applicants must be qualified architects. Duties include the design of housing layouts and central area redevelopment schemes, and the preparation of working drawings for houses, flats and shops. Applications giving age, qualifications, present appointment, experience, etc., and two referees, to the County Planning Officer, East Cliff County Offices, Preston, by the 13th December, 1960. [7308]

Federal Government of Nigeria require ARCHITECTS

ARCHITECTS are required in the Works Division of the Federal Ministry of Works and Surveys to prepare sketch plans, working drawings, and detailed specifications for various types of buildings and carry out the general work of a very busy Architectural office. Candidates should hold a degree or diploma in Architecture or the final examination of the RIBA and have had wide general experience. Applicants must be between the ages of 27 and 51 years.

Salary according to age and experience £1,434 to £2,196 p.a. (including Inducement Addition) plus gratuity of £150 for satisfactory service. An outfit allowance of £60 is paid on salaries up to £1,740 p.a. Contract appointment for one tour of 15 to 18 months in the first instance. Free passages for officer and wife. Children's allowances whilst separated. Home leave on full pay. Income Tax at low local rate. Quarters at low rent. Candidates should write for application and further particulars, stating age, qualifications and experience, to the Appointments Secretary, Federal Public Service Commission, Nigeria House, 9 Northumberland Avenue, London, W.C.2, quoting V.1/2. [7313]

City of Liverpool

Architectural and Housing Department
APPLICATIONS are invited for the Appointment of Architects, as under:

(1) Chief Assistant, (2) Senior Assistant, (3) Assistants (Architectural) in General Architectural, Redevelopment and Housing Sections.

Salaries—(1) £1,425 to £1,670 p.a. Scale 'B'.

(2) £1,310 to £1,565 p.a. Scale 'A'.

(3) £1,310 to £1,480 p.a. (APT V).

Applicants should be Associates of the RIBA or hold equivalent qualifications and should indicate in their application the grading of the appointment for which they wish to apply. All give wide opportunities for personal initiative.

Application forms, returnable by 9th December, 1960, from the City Architect and Director of Housing, Blackburn Chambers, Dale Street, Liverpool, 2. The appointments are superannuable and subject to the standing Orders of the City Council. Canvassing disqualifies.

THOMAS ALKER,
Town Clerk. [7315]

ARCHITECT

Public Works Department, Barbados
To assist the Director of Public Works in the design and preparation of plans of buildings and institutions and to supervise their construction.

Three-year Contract. Salary £1,500. Gratuity 20% of salary. Free passages. Unfurnished quarters at moderate rent. Candidates must be ARIBA.

Write Director of Recruitment, Colonial Office, London, S.W.1, giving full names, age, qualifications and experience quoting BCD.112/28/05/E1. [7311]

Royal Burgh of Dumfries

DEPUTY BURGH ARCHITECT

APPLICATIONS are invited from Qualified Architects, preferably with experience in Redevelopment Work.

The appointment, within the Salary Scale £1,140-£1,220 (i.e. £100 in excess of Admin. Grade D of the NJIC Scheme), will be subject to the Town Council's Superannuation Scheme and NJIC Conditions of Service, and the successful applicant will require to pass a medical examination. If required, the tenancy of a Council house will be given to the successful applicant.

Applications, stating age, qualifications and experience, together with copies of three recent testimonials, or the names of three referees, should be lodged with the undersigned not later than 16th December, 1960.

GEORGE D. GRANT,
Town Clerk.

Municipal Chambers,
Dumfries, 23rd November, 1960. [7320]

Borough of Walthamstow BOROUGH ARCHITECT'S DEPARTMENT

Walthamstow is a municipal borough within the County of Essex, population 113,000, rateable value £1,747,737. It is a progressive authority and there is a large programme of interesting architectural and redevelopment schemes to be undertaken.

Applications are invited for the following permanent appointment:

One Senior Assistant Architect £1,185-£1,355 per annum, inclusive of London Weighting.

Applicants must be professionally qualified and have had extensive experience.

HOUSING ACCOMMODATION will be made available if required, or alternatively the Council will make a 100% advance for house purchase within the Borough or in adjoining Boroughs.

Application forms, obtainable from the Borough Architect (F. G. Southgate, ARIBA, AMTPI, MIMUnE), Town Hall, Walthamstow, London, E.17, must be returned to the undersigned by NOON on FRIDAY, 16th DECEMBER, 1960.

G. A. BLAKELEY,
Town Clerk.

Town Hall,
Walthamstow, E.17.
23rd November, 1960. [7333]

London County Council

BRIXTON SCHOOL OF BUILDING
Visiting lecturers required for day classes in surveying courses. Subjects covered include Building Construction, Quantities, Mathematics, land Surveying, Bookkeeping, Economics and legal subjects. Fees from 47s to 96s 6d per half-day session depending on stage of course. Applicants should be Corporate Member of RICS or hold other appropriate graduate or professional qualifications. Applications to Secretary (FE3/AB/2830/12), Brixton School of Building, Ferndale Road, S.W.4. [7328]

Urban District Council of Corby JUNIOR ARCHITECTURAL ASSISTANT

GRADE APT I or II

APPLICATIONS are invited for the above appointment in the Architectural Section of the Engineer and Surveyor's Department.

Applicants must have passed the RIBA Intermediate Examination or its equivalent at one of the recognised schools of architecture and the salary applicable to candidates of not less than one year's subsequent experience in an architectural office will be in accordance with APT Grade II (£815-£960 p.a.). The salary, otherwise, will be in accordance with Grade APT I (£645-£815 p.a.).

The provisions of the Local Government Superannuation Acts, 1937/53, will apply to this appointment.

Housing accommodation will be made available to the successful candidate if married.

Forms of application may be obtained from the undersigned, to whom they should be returned not later than the first post on Saturday, 3rd December, 1960. Testimonials will be required only from applicants selected for interview.

G. B. BLACKALL,
Clerk of the Council.

Council Offices,
CORBY,
Northants.
14th November, 1960. [7284]

County Borough of Bury

APPLICATIONS are invited for the following permanent appointments:—

(a) Senior Assistant Architect—APT IV (£1,140-£1,310).

(b) Assistant Architect—APT I or APT II or APT III (£645-£815 or £815-£960 or £960-£1,140).

(c) Assistant Quantity Surveyor—APT I or APT II or APT III.

(d) Architectural Draughtsman—Misc. III (£555-£625).

(e) Town Planning Assistant—APT I or APT II or APT III.

(f) Assistant Estate Surveyor—APT I or APT II or APT III.

The commencing salary will be fixed according to qualifications and experience. Applicants for Appointment (a) should be experienced in dealing with contracts for large public works and must be professionally qualified. Applicants for Appointment (b) should have general experience in the design and construction of public buildings, and success in Part I or II of the RIBA Final or Special Examination, or other equivalent at one of the recognised Schools of Architecture will entitle the applicant to appointment on APT III. Applicants for Appointments (c), (e) and (f) should have had general experience appropriate to the posts advertised, and membership of the appropriate professional institution will be an advantage. Applicants for Appointment (d) should have had experience in architectural drawing office procedure.

Consideration will be given to the provision of housing accommodation if required.

Applications stating age, qualifications, experience, present and previous appointments and salary, together with the names of two referees, must reach me by 12th December, 1960.

EDWARD S. SMITH,
Town Clerk.

Town Hall,
Bury.
21st November, 1960 [7321]

Official Announcements

APPOINTMENTS (cont)

Holborn Borough Council

SENIOR PLANNING & TECHNICAL ASSISTANT required in Borough Architect's Department. Salary scale APT IV (£1,140-£1,310) plus London Weighting. Applicants suitably qualified with experience of development control, knowledge of Town Planning and London Building Acts. Duties involve visits to premises and preparation of reports upon applications received under certain delegated sections of Town Planning and London Building Acts. Applications with names of two referees to Town Clerk, Town Hall, High Holborn, W.C.1. [7332]

County Borough of East Ham SENIOR ASSISTANT ARCHITECT APT IV—£1,185-£1,355

Salary in excess of the minimum may be paid according to qualifications and experience. A subsistence allowance may be granted over a reasonable period to the person appointed if unable to obtain suitable housing accommodation, necessitating the maintenance of two homes. Further details and application forms returnable by 16th December, 1960, from the Town Clerk, Town Hall, E.6. [7336]

Spalding Rural District Council Architect's Department

ARCHITECTURAL ASSISTANTS REQUIRED

Salary APT II of the National Scale (£815 to £960)

Superannuation. Medical examination. House available. One half removal expenses paid.

Must be competent draughtsman with sound knowledge of construction and detailing. Knowledge of quantities an advantage.

Applications with the names of two referees to the Clerk of the Spalding Rural District Council, Priory Road, Spalding, not later than 16th December, 1960.

G. S. ASHWORTH,
Clerk of the Council. [7341]

County Borough of East Ham ARCHITECTURAL ASSISTANTS APT I OR II

Salary up to £1,000 per annum (according to qualifications).

Subsistence allowances may be granted over a reasonable period to the persons appointed if unable to obtain suitable accommodation, necessitating the maintenance of two homes.

Further details and application forms returnable by 16th December, from the Town Clerk, Town Hall, E.6. [7337]

ARCHITECTURAL APPOINT- MENTS VACANT

ASSISTANTS required in small, busy and congenial office. Good salary according to experience. Interesting work. Write to H. G. CHERRY & Partners, 38 Portland Place, London, W.1. [7342]

ASSISTANT required, Inter. standard. Apply: T. Burrington & Partners, F/ARIBA, 22 High Street, Swindon. [7338]

JUNIOR ARCHITECTURAL DRAUGHTSMEN, Student RIBA or Student Building Surveyor wanted. Apply stating experience to SANCTUARY & Son, Chartered Surveyors, Bridport, Dorset. [7339]

INTERMEDIATE TO FINAL ARCHITECTURAL ASSISTANTS required in busy commercial and industrial office. Permanent positions, variety of work and scope for initiative. Five day week, Staff bonus and superannuation schemes. Time off allowed for continuation of studies. Salary according to ability and experience. Apply in writing, giving full particulars, salary required, etc., to W. V. Betts & Son, 41 Bridgford Road, West Bridgford, Nottingham. [7325]

ARCHITECTURAL ASSISTANTS required, Senior and Junior, for busy Country Practice. Varied work in congenial surroundings. Salary by arrangement. Pemberton & Bateman, Vine Street, Evesham, Worcs. [7324]

SMALL ARCHITECT'S OFFICE requires Assistant of Intermediate standard with some office experience for work on buildings, some of 10-30 storeys. Immaculate detailing essential, interest in curtain wall techniques an advantage. Salary £700-£850 p.a. plus L.Vs according to experience.

Apply W. H. Rogers ARIBA, 16 Mark Lane, E.C.3. [7331]

ASSISTANT approaching Finals required busy country practice 45 miles London. Office experience and ability to take responsibility essential. Salary not difficult to agree. Box 2782. [7322]

ARDIN & BROOKES & PARTNERS require assistants, salary range £500-£1,200 per annum. Busy office with progressive design policy. Spacious offices near Polytechnic, Regent Street. Phone LANGham 5227. [7323]

ARCHITECTURAL ASSISTANT, London. Final standard. Industrial and commercial. Progressive and interesting. Salary according to experience and ability. Box 3667. [0079]

A VACANCY occurs in the West End Branch of large provincial Architectural Practice, for an assistant at Intermediate standard. The post offers considerable scope on varied projects. Five day week, Luncheon Vouchers. Write giving particulars of age, experience and salary required, to Box No. 2485. [0836]

A QUALIFIED Architectural Assistant required immediately in Home Counties office. Successful applicant will have the opportunity of working on widely varying industrial, commercial and housing schemes. Five day week. Write full particulars to Box 2486. [0837]

TWO FIRST-CLASS ARCHITECTURAL ASSISTANTS required. Salary range £1,250-£1,750 per annum, depending upon experience. Write with fullest details of experience Box 2500. [0839]

ARCHITECTURAL ASSISTANT required with at least two years' office experience. Apply in writing to Thomas Mitchell & Partners, 20 Bedford Square, London, W.C.1. [0916]

WEST END OFFICE requires Assistant Architects of Final and Intermediate Standards for interesting industrial projects in Home Counties. Good salaries offered to men with initiative and ability. Bonus scheme, five-day week, holiday arrangements honoured. Box 0627. [0380]

ARCHITECTURAL ASSISTANT, Intermediate standard. Busy London office. Good prospects. Box 3668. [0080]

BASIL SPENCE & PARTNERS require qualified and experienced Architects to fill positions of responsibility on a major building programme. Write to 48 Queen Anne Street, W.1, stating experience and salary required. [0740]

ELIE MAYORCAS requires architectural assistants with a minimum of three years' office experience in this country. Write, giving brief particulars of architectural education and experience, and salary required, to: 13 David Mews, Baker Street, W.1. [0360]

ASSISTANT ARCHITECTS required for staffing a new office opening in Southampton for work on interesting programmes for Universities, the War Department and Ecclesiastical projects. Juniors also required.

Apply stating age, qualifications, experience and salary required to Robert Potter, FRIBA, and Richard Hare, BArch, ARIBA, of De Vaux House, Salisbury. [0337]

HOWARD V. LOBB & PARTNERS require assistant architects. Salaries would be between £750 and £1,250 per year. Please write to 20 Gower Street, London, W.C.1. [0352]

TWO SENIOR AND TWO INTERMEDIATE STANDARD ARCHITECTURAL ASSISTANTS required for rapidly growing practice. Interesting, varied and responsible work on schools and churches. Good salary paid to right men. Apply giving details of training and experience to F. G. Broadbent & Partners, 13 Manchester Square, W.1. [7312]

PROPERTY DEVELOPER

(Public Company in London area)

with large scale STORE, SHOP and OFFICE DEVELOPMENTS
wishes to establish own

ARCHITECTS DEPARTMENT

and invites applications from ambitious and energetic SENIOR ARCHITECTS (salaries according to qualifications and experience), Junior Architects, Draughtsmen, Engineers, Quantity Surveyors, etc.

Send full details of qualifications, experience, present salary, etc., together with information on types of work previously undertaken to Chairman, Box 2765

Official Announcements

ARCHITECTURAL APPOINT- MENTS VACANT (cont)

DEVEREUX & DAVIES require capable and enthusiastic assistant architects, salary £1,000 per annum or according to experience and ability.—Devereux & Davies, 3 Gower Street, Bedford Square, London, W.C.1. [0660]

WILLIAM H. ROBBINS, ARIBA, requires ARCHITECTURAL ASSISTANTS of Final and Intermediate standard for interesting work in expanding office. Applicants should be experienced in design and construction and taking responsibility. Excellent opportunity of advancement; salary range from £750 to £1,400 per annum according to experience. Five-day week. Apply to 77 Wigmore Street, London, W.1. WELbeck 0274/5. [0832]

WILLIAM RYDER requires assistants in the salary range £800 to £1,100 according to age and experience. Hours 9.30 to 5.30. Five day week. Apply in writing to 21 Bruton Street, Berkeley Square, W.1. [7246]

SURVEYORS ASSISTANTS required for a wide variety of work in Architect's office. Should be proficient in chain surveying and levelling, a good draughtsman and of Intermediate RICS standard. Good salary offered in accordance with ability. Applications to: John H. D. Madin, 83/85 Hagley Road, Edgbaston, Birmingham, 16. [7330]

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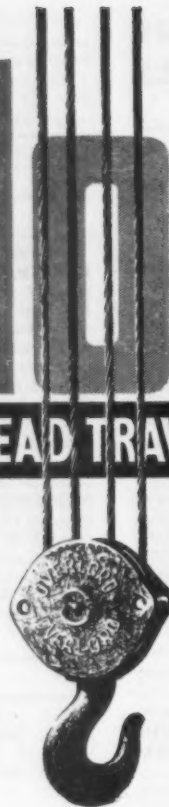
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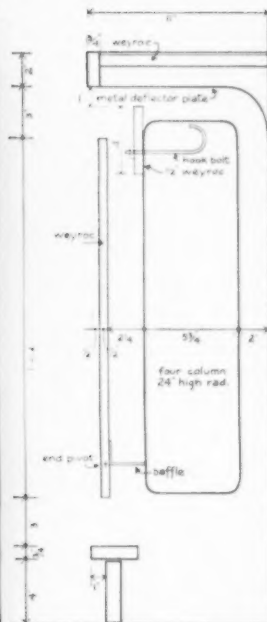
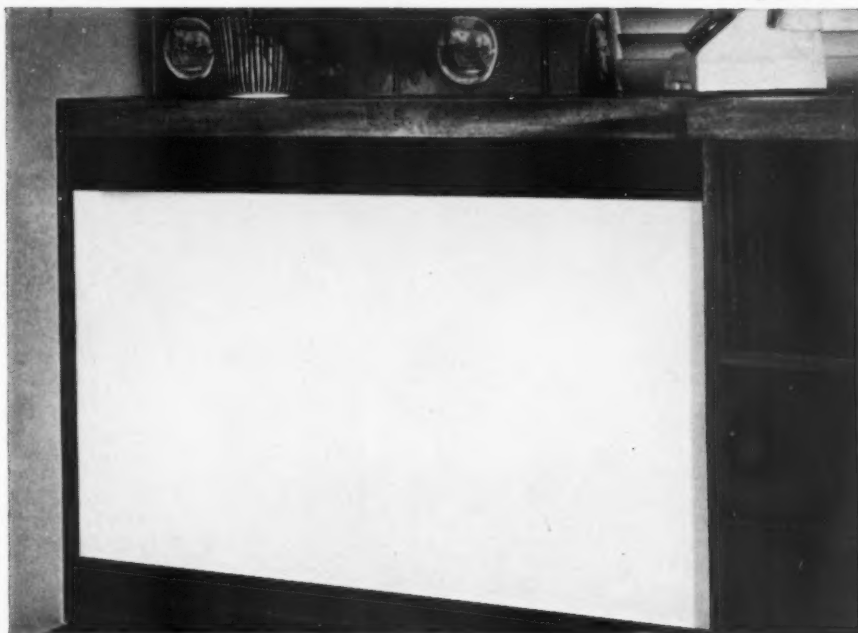
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